



# Recombinant Rat Arf-GAP with coiled-coil, ANK repeat and PH domain-containing protein 2 (Acap2)

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| <b>Product Code</b>      | CSB-EP691817RA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Abbreviation</b>      | Acap2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Uniprot No.</b>       | Q5FVC7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Product Type</b>      | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Immunogen Species</b> | Rattus norvegicus (Rat)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Purity</b>            | >85% (SDS-PAGE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Sequence</b>          | MKMTVDFEEC LKDSPRFRAA LEEVEGDVAE LELKLDKLVK LCIAMIDT GK<br>AFCAANKQFM NGIRDLAQYS SNDAVVETSL TKFSDSLQEM INFHTILFDQ<br>TQRSIKAQLQ NFVKEDLRKF KDAKKQFEKV SEEKENALVK NAQVQRNKQH<br>EVEEAANILT ATRKCFRHA LDYVLQINV L QSKRRSEILK SMLSFMYAHL<br>AFFHQGYDLF SELGPYMKDL GAQLDRLVVD AAKEKREMEQ KHSTIQKDF<br>SSDDSKLEYN VDAANGIVME GYLFRASNA FKTWNRWF S IQNNQLVYQK<br>KFKDSPTVVV EDLRLCTVKH CEDIERRFCF EVVSPTKSCM LQADSEKLRQ<br>AWIKAVQTSI ATAYREKGDE SEKLDKKSSP STGSLDSGSE SKEKLLKGES<br>ALQRVQCIPG NTSCCDCGLA DPRWASINLG ITLCIECSGI HRSLGVHFSK<br>VRSLTLDTWE PELLKLMCEL GNDVINRVYE AKLEKMGVKK PPGQRQEKE<br>AYIRAKYVER KFVDKYSTLL SPSEQEKRII SKSCEDQRLS HTRVSVHTPV<br>KSNDSGIQQC SDDGRESLPS TVSANS LYEP EGERQESSVF LDSKHLN PGL<br>QLYRASYEKN LPKMAEALAH GADVNWANS D ENQATPLIQA VLGGS LVTCE<br>FLLQNGANVN QRDVQGRGPL HHATVLGHTG QVCLFLKRG A<br>NQHATDEEGK DPLSIAVEAA NADIVTLLRL ARMNEEMRES EGLYQQPGDE<br>TYQDIFRDFS QMASNNPEKL NRFQQDSQKF |
| <b>Source</b>            | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Target Names</b>      | Acap2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Protein Names</b>     | Recommended name: Arf-GAP with coiled-coil, ANK repeat and PH domain-containing protein 2 Alternative name(s): Centaurin-beta-2 Short name= Cnt-b2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Expression Region</b> | 1-770                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Protein Length</b>    | full length protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |



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**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.