



# Recombinant Rat Rab proteins geranylgeranyltransferase component A 1 (Chm)

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| <b>Product Code</b>      | CSB-EP005356RA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Uniprot No.</b>       | P37727                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Product Type</b>      | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Immunogen Species</b> | Rattus norvegicus (Rat)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Purity</b>            | ≥85% (SDS-PAGE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Sequence</b>          | MADNLPSDFD VIVIGTGLPE SIIAAACSR S GQRVLHVDSR SYYGGNWASF<br>SFGLLSWLK EYQENNDVVT ENSMWQEQL ENEEAIP LSS KDKTIQHVEV<br>FCYASQDLHK DVEEAGALQK NHASV TSAQS AEAAEAETS CLPTAVEPLS<br>MGSCEIPAEQ SQCPGPESP EVNDAEATGK KENSDAKSST EEPSENV PKV<br>QDNTETPKKN RITYSQIIE GRRFNIDLVS QLLYSRGLLI DLLIKSNVSR<br>YAEFKNITRI LAFREGTVEQ VPCSRADVFN SKQLTMVEKR MLMKFLTFCV<br>EYEEHPDEYR AYEGTTFSEY LKTQKLTPNL QYFVLHSIAM TSETTSCTVD<br>GLKATKKFLQ CLGRYGNTPF LFPLYGQGEL PQCFRCMCAV FGGIYCLRHS<br>VQCLVVDKES RKCKAVIDQF GQRIISKHFI IEDSYLSENT CSRVQYRQIS<br>RAVLITDGSV LKTDADQQVS ILAVPAEEPG SFGVRVIELC SSTMTCMKGT<br>YLVHLTCMSS KTAREDLERV VQKLFTPYTE IEAENEQVEK PRLWLALYFN<br>MRDSSDISRD CYNDLPSNVY VCSGPDSGLG NDNVAKQAET LFQQICPNED<br>FCPAPPNPED IVLDGDSSQQ EVPESSVTPE TNSETPKEST VLG NPEEPSE |
| <b>Source</b>            | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Target Names</b>      | Chm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Protein Names</b>     | Recommended name: Rab proteins geranylgeranyltransferase component A 1<br>Alternative name(s): Choroideraemia protein homolog Rab escort protein 1<br>Short name= REP-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Expression Region</b> | 1-650                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Reconstitution</b>    | 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.                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Shelf Life</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.