



# Recombinant Rat Amphiphysin (Amph)

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|--------------------------|---|
| <b>Product Code</b>      | CSB-MP001683RA  |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.   |
| <b>Uniprot No.</b>       | O08838  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Rattus norvegicus (Rat)   |
| <b>Purity</b>            | >85% (SDS-PAGE)   |
| <b>Sequence</b>          | MADIKTGIFA KNVQKRLNRA QEKVLQKLGK ADETKDEQFE EYVQNFKRQE<br>AEGTRLQREL RGYLAAIKGM QEASMKLTES LHEVYEPDWY GREDVKMVGE<br>KCDVLWEDFH QKLVDSLLT LDTYLGQFPD IKNRIAKRSR KLVVDYDSARH<br>HLEALQSSKR KDESRIKAE EEFQKAQKVF EEFNVDLQEE LPSLWSRRVG<br>FYVNTFKNVS SLEAKFHKEI AVLCHKLYEV MTKLGDQHAD KAFSIQGAPS<br>DSGPLRIAKT PSPPEEASPL PSPTASPNHT LAPASPAPVR PRSPSQTRKG<br>PPVPLPKVT PTKELQQENI INFFEDNFVP EINVTTPSQN EVLEVKKEET<br>LLDLDFDPFK PDVTPAGSAA ATHSPMSQTL PWDLWTTSTD LVQPASGGSF<br>NDFTQPQDTS LFTMQTDQNM AETEQALPTE PQAEPPPTTA AAPTAGLDLG<br>LEMEEPKEEA AIPPGTDAGE TVGTEGSTGE EAEA EKAALP AGEGESPEGA<br>KIDVESTELA SESPQAAEL EAGAPQEKVI PSVVI EPASN HEGEEHQETT<br>TGTETREATE DVAPQGPAGE KQELATEPTP LDSQAATPAP AGAVDASLSA<br>GDAAQELPPG FLYKVETLHD FEAANSDEL T LQRGDVVLV PSDSEADQDA<br>GWLVGVKESD WLQYRDLATY KGLFPENFTR HLE |
| <b>Source</b>            | Mammalian cell  |
| <b>Target Names</b>      | Amph  |
| <b>Protein Names</b>     | Recommended name: Amphiphysin   |
| <b>Expression Region</b> | 1-683   |
| <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>Target Details</b>    | This gene encodes a protein associated with the cytoplasmic surface of synaptic vesicles. A subset of patients with stiff-man syndrome who were also affected by breast cancer are positive for autoantibodies against this protein. Alternate splicing of this gene results in two transcript variants encoding different isoforms. Additional splice variants have been described, but their full length sequences have not been determined.  |
| <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.   |



## 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.