



Recombinant Rat Dynamin-1-like protein (Dnm1l)

Product Code	CSB-MP007078RA
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O35303
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	MEALIPVINK LQDVFNVTGA DIIQLPQIVV VGTQSSGKSS VLES LVGRDL LPRGTGVVTR RPLILQLVHV SPEDKRKTG EENDPATWKN SRHLSKGVEA EEWGKFLHTK NKLYTDFDEI RQEIENETER ISGNKGVSP EPIHLKVFSP NVVNLTLVDL PGMTKVPVGD QPKDIELQIR ELILRFISNP NSIILAVTAA NTDMATSEAL KISREVPDGD RRTLAVITKL DLMDAGTDAM DVLMGRVIPV KLGIIQVVNR SQLDINNKKV VTDSIRDEYA FLQKKYPSLA NRNGTKYLAR TLNRLLMHHI RDCLPELKTR INVLAQYQS LLNSYGEPVD DKSATLLQLI TKFATEYCNT IEGTAKYIET SELCGGARIC YIFHETFGRT LESVDPLGGL NTIDILTAIR NATGPRPALF VPEVSFELLV KRQIKRLEEP SLRCVELVHE EMQRIIQHCS NYSTQELLRF PKLHDAIVEV VTCLLRKRLP VTNEMVHNLV AIELAYINTK HPDFADACGL MNNNIEEQRR NRLARELPSA VSRDKSSKVP SALAPASQEP SPAASAEADG KLIQDNRRRET KNVASAGGGI GDGGRIGDGG QEPTTGNWRG MLKTSKAEEL LAEEKSKPIP IMPASPQKGH AVNLLDVPVP VARKLSAREQ RDCEVIERLI KSYFLIVRKN IQDSVPKAVM HFLVNHVKDT LQSELVGQLY KSSLLDDLLT ESEDMAQRRK EAADMLKALQ GASQIIAEIR ETHLW
Source	Mammalian cell
Target Names	Dnm1l
Protein Names	Recommended name: Dynamin-1-like protein EC= 3.6.5.5 Alternative name(s): Dynamin-like protein
Expression Region	1-755
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	This protein is a member of the dynamin superfamily of GTPases. Members of the dynamin-related subfamily, including the <i>S. cerevisiae</i> proteins Dnm1 and Vps1, contain the N-terminal tripartite GTPase domain but do not have the pleckstrin homology or proline-rich domains. This protein establishes mitochondrial morphology through a role in distributing mitochondrial tubules throughout the cytoplasm. The gene has 3 alternatively spliced transcripts encoding different isoforms. These transcripts are alternatively polyadenylated.
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.

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.