



# Recombinant Rat Dynamin-1-like protein (Dnm1l)

<b>Product Code</b>	CSB-EP007078RA-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O35303
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MEALIPVINK LQDVFNVTGA DIIQLPQIVV VGTQSSGKSS VLESLVGRDL LPRGTGVVTR RPLILQLVHV SPEDKRKTTG 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 KLIQDNRRET KNVASAGGGI GDGGRIGDGG QEPTTGNWRG MLKTSKAEEL LAEEKSKPIP IMPASPQKGH AVNLLDVPVP VARKLSAREQ RDCEVIERLI KSYFLIVRKN IQDSVPKAVM HFLVNHVKDT LQSELVGQLY KSSLLDDLLT ESEDMAQRRK EAADMLKALQ GASQIIAEIR ETHLW
<b>Source</b>	E.coli
<b>Target Names</b>	Dnm1l
<b>Protein Names</b>	Recommended name: Dynamin-1-like protein EC= 3.6.5.5 Alternative name(s): Dynamin-like protein
<b>Expression Region</b>	1-755
<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 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.
<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.

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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.