



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

|                          |   |
|--------------------------|---|
| <b>Product Code</b>      | CSB-BP816976MO  |
| <b>Abbreviation</b>      | Dnm1l   |
| <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>       | Q8K1M6  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Mus musculus (Mouse)  |
| <b>Purity</b>            | >85% (SDS-PAGE)   |
| <b>Sequence</b>          | MEALIPVINK LQDVFNTVGA DIIQLPQIVV VGTQSSGKSS VLES LVGRDL<br>LPRGTGVVTR RPLILQLVHV SPEDKRKTTG EENGKFSWR VEAEEWGKFL<br>HTKNKLYTDF DEIRQEIENE TERISGNKNG VSPEPIHLKV FSPNVVNLTL<br>VDLPGMTKVP VGDQPKDIEL QIRELILRFI SNPNSILAV TAANTDMATS<br>EALKISREVD PDGRRTLAVI TKLDLMDAGT DAMDVL MGRV IPVKLGIIGV<br>VNRSQLDINN KKSVDTSIRD EYAF LQKKYP SLANRNGTKY LARTLNRLLM<br>HHIRDCLPEL KTRINV LAAQ YQSL LNSYGE PVDDKSATLL QLITKFATEY<br>CNTIEGTAKY IETSEL CGGA RICYIFHETF GRTLESVDPL GGLNTIDILT<br>AIRNATGPRP ALFVPEVSFE LLVKRQIKRL EEP SLRCVEL VHEEMQR IIQ<br>HCSNYSTQEL LRF PKLHDAI VEVVTCLLRK RLPVTNEMVH NLVAIELAYI<br>NTKHPDFADA CGLMNNNIEE QRRNRLAREL PSAGSRDKSS KVPSALAPAS<br>QEPPPAASAE ADGKLIQDNR RETKNVPSAG GGIGDGGQEP TTGNWRGMLK<br>TSKAEELLAE EKSKPIIMP ASPQKGHAVN LLDV PVPVAR KLSAREQRDC<br>EVIERLIKSY FLIVRKNIQD SVPKAVMHFL VNHVKDTLQS ELVGQLYKSS<br>LLDDLLTESE DMAQRRKEAA DMLKALQGAS QIIAEIRETH LW |
| <b>Source</b>            | Baculovirus   |
| <b>Target Names</b>      | Dnm1l   |
| <b>Protein Names</b>     | Recommended name: Dynamin-1-like protein EC= 3.6.5.5 Alternative name(s):<br>Dynamin family member proline-rich carboxyl-terminal domain less Short name=<br>Dymple Dynamin-related protein 1   |
| <b>Expression Region</b> | 1-742   |
| <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.

---

**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.