



# Recombinant Rat Dynamin-1 (Dnm1), partial

<b>Product Code</b>	CSB-EP007062RA-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P21575
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	<p>MGNRGMEDLI PLVNRLQDAF SAIGQNADLD LPQIAVVGQ SAGKSSVLEN            FVGRDFLPRG SGIVTRRPLV LQLVNSTTEY AEFLHCKGKK FDFEVRLE            IEAETDRVTG TNKGISPVI NLRVYSPHVL NLTLVDLPGM TKVPVGDQPP            DIEFQIRDML MQFVTKENCL ILAVSPANS D LANS DALKIA KEVDPQGQRT            IGVITKLDLM DEGTDARDVL ENKLLPLRRG YIGVVNRSQK DIDGKKDITA            ALAAERKFFL SHPSYRHLAD RMGTPYLQKV LNQQLTNHIR DTLPLGRNKL            QSQLLSIEKE VDEYKNFRPD DPARKTKALL QMVQQFAVDF EKRIEGSGDQ            IDTYELSGGA RINRIFHERF PFELVKMEFD EKELRREISY AIKNIHGIRT            GLFTPDLAFE ATVKKQVQKL KEPSIKCVDM VVSELTSTIR KCSEKLQQYP            RLREEMERIV TTHIREREGR TKEQVMMLID IELAYMNTNH EDFIGFANAQ            QRSNQMNKKK TSGNQDEILV IRKGWLTINN IGIMKGG SKE YWFVLTAENL            SWYKDDEEKE KKYMLSVDNL KLRDVEKGF M SSKHIFALFN TEQRNVYKDY            RQLELACETQ EEVDSWKASF LRA GVYPERV GDKEKASETE ENGSDSFMHS            MDPQLERQVE TIRNLVDSYM AIVNKTVRDL MPKTIMHLM I NNTKEFIFSE            LLANLYSCGD QNTLMEE SAE QAQR RDEMLR MYHALKEALS IIGDINTTTV            STPMPPP VDD SWLQVQSVPA GRRSPTSSPT PQRRAPAVPP            ARPGSRGPAP GPPPAGSALG GAPPVPSRPG ASPDPFGPPP            QVPSRPNRAP PGVPSRSGQA SPSRPESPRP PFDL</p>
<b>Source</b>	E.coli
<b>Target Names</b>	Dnm1
<b>Protein Names</b>	Recommended name: Dynamin-1 EC= 3.6.5.5 Alternative name(s): B-dynamin D100 Dynamin, brain
<b>Expression Region</b>	1-864
<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>	Partial
<b>Target Details</b>	This gene encodes a member of the dynamin subfamily of GTP-binding proteins. The encoded protein possesses unique mechanochemical properties used to tubulate and sever membranes, and is involved in clathrin-mediated endocytosis and other vesicular trafficking processes. Actin and other cytoskeletal proteins act as binding partners for the encoded protein, which can also self-assemble leading to stimulation of GTPase activity. More than sixty highly conserved copies of the 3 region of this gene are found elsewhere in the



genome, particularly on chromosomes Y and 15. Alternatively spliced transcript variants encoding different isoforms have been described.

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**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.

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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.