



Recombinant Rat Dynamin-1 (Dnm1), partial

Product Code	CSB-BP007062RA
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P21575
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	<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 KLRDVEKGFM SSKHIFALFN TEQRNVYKDY RQLELACETQ EEVDSWKASF LRAGVYPERV 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>
Source	Baculovirus
Target Names	Dnm1
Protein Names	Recommended name: Dynamin-1 EC= 3.6.5.5 Alternative name(s): B-dynamin D100 Dynamin, brain
Expression Region	1-864
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	Partial
Target Details	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.

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.