

Recombinant Human DNM1 Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. DNM1-362H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	DNM1 MS Standard C13 and N15-labeled recombinant protein (NP_001005336) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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. [provided by RefSeq, Jul 2008]
Molecular Mass	95.9 kDa
AA Sequence	MGNRGMEDLIPLVNRLQDAFSAIGQNADLDLPQIAVVGGSAGKSSVLENFVGRDF LPRGSGIVTRRPLVLQLVNATTEYAEFLHCKGKKFTDFEEVRLEIEAETDRVTGTNKG ISPVPINLRVYSPHVLNLTLDLPGMTKVPVGDQPPDIEFQIRDMLMQFVTKENCLILA VSPANSDLANSDALEVAKEVDPQGQRTIGVITKLDLMDEGTDARDVLENKLLPLRRG

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YIGVVNRSQKDIDGKKDITAALAAERKFFLSHPSYRHLADRMGTPYLQKVLNQQLTD
 HIRDTLPGLRNKLQSQLLSIEKEVEEYKNFRPDDPARKTKALLQMVQQFAVDFEKRIE
 GSGDQIDTYELSGGARINRIFHERFPFELVKMEFDEKELRREISYAIKNIHGIRTGLFT
 PDMAFETIVKKQVKKIREPCLKCVDMMVISELISTVRQCTKKLQQYPRLREEMERIVTT
 HIREREGRTKEQVMLLIDIELAYMNTNHEDFIGFANAQQRSNQMNNKKTSGNQDEIL
 VIRKGWLTINNIGIMKGGKEYWVFLTAENLSWYKDDEEKEKKYMLSVDNLKLRDVE
 KGMSSKHIFALFNTEQRNVYKDYRQLELACETQEEVDSWKASFLRAGVYPERVGD
 KEKASETEENGSDSFMHSM DPQLERQVETIRNLVDSYMAIVNKTVRDLMPKTIMHL
 MINNTKEFIFSELLANLYSCGDQNTLMEEAEQAQRRDEMLRMYHALKEALSIGDIN
 TTTVSTPMPPPVDSDWLQVQSVPAARRSPTSSPTPQRRAPAVPPARPGSRGPAPG
 PPPAGSAMGGAPPVPSRPGASDPFGPPPQVPSRPNRAPPVPRITISDPTTRPL
 EQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name DNM1 dynamin 1 [Homo sapiens (human)]

Official Symbol DNM1

Synonyms DNM1; dynamin 1; DNM; dynamin-1;

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Gene ID	1759
mRNA Refseq	NM_001005336
Protein Refseq	NP_001005336
MIM	602377
UniProt ID	Q05193
SDS-PAGE	