

Product datasheet for **TP306284M**

Dynamin 1 (DNM1) (NM_001005336) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human dynamin 1 (DNM1), transcript variant 2, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC206284 representing NM_001005336 Red=Cloning site Green=Tags(s)

MGNRGMEDLIPLVNRLQDAFSAIGQNADLDLPQIAVVGQSAGKSSVLENFVGRDFLPRGSGIVTRRPLV
LQLVNATTEYAFLHCKGKKFTDFEEVRLEIEAETDRVTGTNKGISPVPINLRVYSPHVLNLTLDLPGM
TKVPVGDQPPDIEFQIRDMLMQFVTKENCLILAVSPANSDLANSDALEVAKEVDPQGQRTIGVITKLDLM
DEGTDARDVLENKLLPLRRGYIGVWNRSQKDIDGKKDITAALAAERKFFLSHPSYRHLADRMGTPYLQKV
LNQQLTDHIRDTLPGLRNKLQSQLLSIEKEVEEYKNFRPDDPARKTKALLQMVQQFAVDFEKRIEGSGDQ
IDTYELSGGARINRIFHERFPFELVKMEFDEKELRREISYAIKNIHGIRTGLFTPDMAFETIVKKQVKKI
REPCLKCVDMMISELISTVRQCTKKLQQYPRLEEMERIVTTHIREREGRTKEQVMLLIDIELAYMNTNH
EDFIGFANAQQRSNQMNNKKTSGNQDEILVIRKGWLTINNIGIMKGGKEYWVFLTAENLSWYKDDDEEKE
KKYMLSDNLKLRDVEKGFMSKHIFALFNTEQRNVYKDYRQLELACETQEEVDSWKASFLRAGVYPERV
GDKEKASETEENGSDSFMHSMQPQLERQVETIRNLVDSYMAIVNKTVRDLMPKTIMHLMINNTKEFIFSE
LLANLYSCGDQNTLMEESAEQAQRREMLRMYHALKEALSIIIGDINTTTVSTPMPPPVDDSWLQVQSVPA
GRRSPTSSPTPQRRAPAVPPARPGSRGPAPGPPPPAGSAMGGAPPVPSRPGASDPDFGPPPPQVPSRPNRAP
PGVPRITISDP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	95.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



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Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_001005336](#)

Locus ID: 1759

UniProt ID: [Q05193](#)

RefSeq Size: 3253

Cytogenetics: 9q34.11

RefSeq ORF: 2553

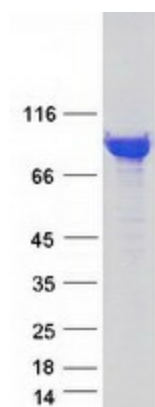
Synonyms: DEE31; DNM; EIEE31

Summary: This gene encodes a member of the dynamamin 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]

Protein Families: Druggable Genome

Protein Pathways: Endocytosis, Fc gamma R-mediated phagocytosis

Product images:



Coomassie blue staining of purified DNM1 protein (Cat# [TP306284]). The protein was produced from HEK293T cells transfected with DNM1 cDNA clone (Cat# [RC206284]) using MegaTran 2.0 (Cat# [TT210002]).