

Product datasheet for TP306284

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, 20 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
LNQQLTDHIRDTLPGLRNKLSQQLSIEKEVEEYKNFRPDDPARKTKALLQMVQQFAVDFEKRIEGSGDQ
IDTYELSGGARINRIFHERFPFELVKMEFDEKELRREISYAIKNIHGIRTGLFTPDMAFETIVKKQVKKI
REPCLKCVDMMISELISTVRQCTKKLQQYPRLEEMERIVTTHIREREGRTKEQVMLLIDIELAYMNTNH
EDFIGFANAQQRSNQMNNKKTSGNQDEILVIRKGWLTINNIGIMKGGKEYWFLTAENLSWYKDDDEEKE
KKYMLSDNLKLRDVEKGFMSKHIFALFNTEQRNVYKDYRQLELACETQEEVDSWKASFLRAGVYPERV
GDKEKASETEENGSDSFMHSMQPQLERQVETIRNLVDSYMAIVNKTVRDLMPKTIMHLMINNTKEFIFSE
LLANLYSCGDQNTLMEESAEQAQRREMLRMYHALKEALSIGDINTTTVSTPMPPPVDDSWLQVQSVPA
GRRSPTSSPTPQRRAPAVPPARPGSRGPAPGPPPPAGSAMGGAPPVPSRPGASDPDFGPPPPQVPSRPNRAP
PGVPRITISDP

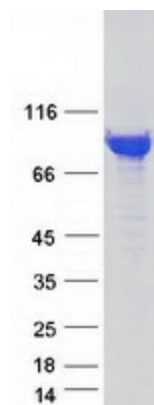
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 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]
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]).