

Product datasheet for PH306284

Dynamin 1 (DNM1) (NM_001005336) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	DNM1 MS Standard C13 and N15-labeled recombinant protein (NP_001005336)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206284
Predicted MW:	95.9 kDa
Protein Sequence:	>RC206284 representing NM_001005336 Red=Cloning site Green=Tags(s)

MGNRGMEDLIPLVNRLQDAFSAIGQNADLDLPQIAVVGGSAGKSSVLENFVGRDFLPRGSGIVTRRPLV
LQLVNATTEYAEFLHCKGKFTDFEEVRLIEIEAETDRVTGNTKGISPVVINLRVYSPHVLNLTLDLPGM
TKVPVGDQPPDIEFQIRDMLMQFVTKENCLILAVSPANSDLANSDALEVAKEVDPQGQRTIGVITKLDLM
DEGTDARDVLENKLLPLRRGYIGVVNRSQKDIDGKKDITAALAAERKFFLSHPSYRHLADRMGTPYLQKV
LNQQLTDHIRDTLPGLRNKLSQQLSIEKEVEEYKNFRPDDPARKTKALLQMVQFQAVDFEKRIEGSGDQ
IDTYELSGGARINRIFHERFPFELVKMEFDEKELRREISYAIKNIHGIRTLGLFTPDMAFETIVKKQVKKI
REPCLKCVDMVISSELISTVRQCTKKLQQYPRLREEMERIVTTHIREREGRTKEQVMLLIDIELAYMNTNH
EDFIGFANAQQRSNQMNKKTSGNQDEILVIRKGWLTINNIIGIMKGGKEYWFLTAENLSWYKDDEEKE
KKYMLSVDNLKLRDVEKGMSSKHIFALFNTEQRNVYKDYRQLELACETQEEVDSWKASFLRAGVYPERV
GDKEKASETEENGSDSFHSMQPQLERQVETIRNLDVSYMAIVNKTVRDLMPKTIHMLMINNTEKIFISE
LLANLYSCGDQNTLMEESAEQAQRREMLRMYHALKEALSIIGDINTTTVSTPMPPPVDDSWLQVQSVPA
GRRSPTSSPTPQRRAPAVPPARPGSRGAPGPPAGSAMGGAPPVPSRPGASDPFGPPPQVPSRPNRAP
PGVPRITISDP

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.



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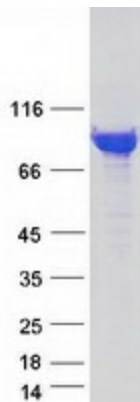
RefSeq:	NP_001005336
RefSeq Size:	3253
RefSeq ORF:	2553
Synonyms:	DEE31; DNM; EIEE31
Locus ID:	1759
UniProt ID:	Q05193
Cytogenetics:	9q34.11

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]).