

Product datasheet for PH308525

Dynamin 2 (DNM2) (NM_004945) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	DNM2 MS Standard C13 and N15-labeled recombinant protein (NP_004936)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC208525
Predicted MW:	97.7 kDa
Protein Sequence:	>RC208525 protein sequence Red=Cloning site Green=Tags(s)

MGNRGMEELIPLVNLKQDAFSSIGQSCHLDLPQIAVVGQSAGKSSVLENFVGRDFLPRGSGIVTRRPLI
LQLIFSKTEHAFLHCKSKKFTDFDEVQRQEIEAETDRVTGTNKGISPVPINLRVYSPHVLNLTIDLPGI
TKVPVGDQPPDIEYQIKDMILQFISRESSLILAVTPANMDLANSALKLAKEVDPQGLRTIGVITKLDLM
DEGTDARDVLENKLLPLRRGYIGVNVRSQKDIEGKDIRAALAAERKFFLSHPAYRHMADRMGTPHLQKT
LNQQLTNHIRESLPALRSKLQSLLSLEKEVEEYKNFRPDDPTRTKALLQMVFQFVDFEKRIEGSGDQ
VDTLELSGGARINRIFHERFPFELVKMEFDEKDLRREISYAIKNIHGVRTGLFTPDLAFAIVKKQVVKL
KEPCLKCVDLVIQELINTVRQCTSKLSSYPRLREETERIVTTYIREREGRTKDQILLIDIEQSYINTNH
EDFIGFANAQQRSTQLNKKRAIPNQVIRRGWLTINNIISLMKGGSKKEYWFLTAESLSWYKDEEEKEKKYM
LPLDNLKIRDVEKGFMSNKHVFAIFNTEQRNVYKDLRQIELACDSQEDVDSWKASFLRAGVYPEKDAQEN
EDGAQENTFSMDPQLERQVETIRNLVDSYVAIINKSIRDLMPKTIMHLMINNTKAFIHHELLAYLYSSAD
QSSLMEESADQAQRDDMLRMYHALKEALNIIGDISTSTVSTPVPVDDTWLQSASSHSPTPQRRPVSS
IHPPGRPPAVRGPTPGPPLIPVPVGAASFAPPISRPQPQSVFANSDFPAPPQIPSRPVRIPPGIPP
GVPSRRPPAAPSRTIIRPAEPSLLD

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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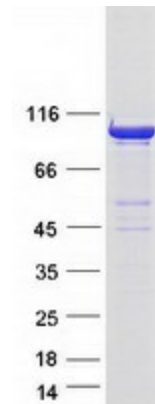
RefSeq:	NP_004936
RefSeq Size:	3672
RefSeq ORF:	2598
Synonyms:	CMT2M; CMTDI1; CMTDIB; DI-CMTB; DYN2; DYNII; LCCS5
Locus ID:	1785
UniProt ID:	P50570
Cytogenetics:	19p13.2

Summary: Dynamins represent one of the subfamilies of GTP-binding proteins. These proteins share considerable sequence similarity over the N-terminal portion of the molecule, which contains the GTPase domain. Dynamins are associated with microtubules. They have been implicated in cell processes such as endocytosis and cell motility, and in alterations of the membrane that accompany certain activities such as bone resorption by osteoclasts. Dynamins bind many proteins that bind actin and other cytoskeletal proteins. Dynamins can also self-assemble, a process that stimulates GTPase activity. Five alternatively spliced transcripts encoding different proteins have been described. Additional alternatively spliced transcripts may exist, but their full-length nature has not been determined. [provided by RefSeq, Jun 2010]

Protein Families: Transcription Factors

Protein Pathways: Endocytosis, Fc gamma R-mediated phagocytosis

Product images:



Coomassie blue staining of purified DNMM2 protein (Cat# [TP308525]). The protein was produced from HEK293T cells transfected with DNMM2 cDNA clone (Cat# [RC208525]) using MegaTran 2.0 (Cat# [TT210002]).