

Product datasheet for TP308525

Dynamin 2 (DNM2) (NM_004945) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human dynamin 2 (DNM2), transcript variant 3, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC208525 protein sequence Red=Cloning site Green=Tags(s)

MGNRGMEELIPLVNLQDAFSSIGQSCHLDLPQIAVVGGSAGKSSVLENFVGRDFLPRGSGIVTRRPLI
LQLIFSKTEHAEFLHCKSKKFTDFDEVRQEIEAETDRVTGTNKGISVPINLRVSPHVLNLTLDLPGI
TKVPVGDQPPDIEYQIKDMILQFISRESSLILAVTPANMDLANSALKLAKEVDPQGLRTIGVITKLDLM
DEGTDARDVLENKLLPLRRGYIGVWNRSQKDIEGKKDIRAALAAERKFFLSHPAYRHMADRMGTPHLQKT
LNQQLTNHIRESLPALRSKLQSQLLSLEKEVEEYKNFRPDDPTRKTKALLQMVQQFGVDFEKRIEGSGDQ
VDTLELSGGARINRIFHERFPFELVKMEFDEKDLRREISYAIKNIHGVRTGLFTPDLAFEIVKKQVVKL
KEPCLKCVDLVIQELINTVRQCTSKLSSYPRLREETERIVTTYIREREGRTKDKQILLIDIEQSYINTNH
EDFIGFANAQQRSTQLNKKRAIPNQVIRRGWLTINNISLMKGGKEYWFLTAESLSWYKDEEEKEKYM
LPLDNLKIRDVEKGFMSNKHVFAIFNTEQRNVYKDLRQIELACDSQEDVDSWKASFLRAGVYPEKDAQEN
EDGAQENTFSMDPQLERQVETIRNLVDSYVAIINKSIRDLMPKTIMHLMINNTKAFIHELLAYLYSSAD
QSSLMEESADQAQRDDMLRMYHALKEALNIIGDISTSTVSTPVPVDDTDLWLSASSHSPTQRRPVSS
IHPPGRPPAVRGPTPGPPLIPVPGAAASFSAPPISRPQSVFANSDFPAPPQIPSRPVRIPPPIPP
GVPSRRPPAAPSRTIIRPAEPSLLD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

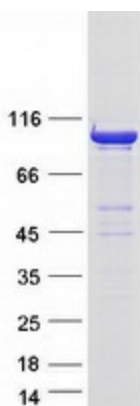
Tag:	C-Myc/DDK
Predicted MW:	97.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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_004936
Locus ID:	1785
UniProt ID:	P50570
RefSeq Size:	3672
Cytogenetics:	19p13.2
RefSeq ORF:	2598
Synonyms:	CMT2M; CMTD11; CMTDIB; DI-CMTB; DYN2; DYNII; LCCS5
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 DNM2 protein (Cat# TP308525). The protein was produced from HEK293T cells transfected with DNM2 cDNA clone (Cat# [RC208525]) using MegaTran 2.0 (Cat# [TT210002]).