

Recombinant Human DNM2, MYC/DDK-tagged

Cat. No. DNM2-17H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DNM2, transcript variant 3, fused with C-terminal MYC/DDK, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	97.5 kDa
Purity	>80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	DNM2 dynamin 2 [Homo sapiens]
Official Symbol	DNM2
Synonyms	DNM2; DYN2; CMT2M; DYNII; LCCS5; CMTDI1; CMTDIB; DI-CMTB; dynamin 2; dynamin-2; dynamin II; NP_001005360.1; EC 3.6.5.5; NP_001005361.1; NP_001005362.1; NP_001177645.1; NP_004936.2
Gene ID	1785
mRNA Refseq	NM_004945
Protein Refseq	NP_004936
MIM	602378
UniProt ID	P50570
Chromosome Location	19p13.2
Pathway	Adaptive Immune System; Axon guidance; Bacterial invasion of epithelial cells; Developmental Biology
Function	GTP binding; GTPase activity; microtubule binding

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