

Recombinant Human DNM2, His-tagged

Cat. No. DNM2-26990TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 529-824 of Human Dynamin 2 with N terminal His tag. MWt 34kDa;
Species	Human
Source	E.coli
ProteinLength	529-824 a.a.
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.
Conjugation	HIS
Form	Lyophilised:Reconstitution with 104 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium

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phosphate, 10mM Sodium chloride, pH 4.5

Storage

Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

Sequences of amino acids

(Amino acid sequence (Sequence determined by 5 Sequencing))LMKGGKEYWFLV
TAESLSWYKDEEE KEKKYMLPLDNLKIRDVEKGFMSNKHVFAIFNTEQRNV YKDLR
QIELACDSQEDVDSWKASFLRAGVYPEKDQAENEDGAQENTFSMDPQLERQVETIR
NLVDSYVAIINKSIRDL MPKTIMHLMINNTKAFIHHELLAYLYSSADQSSLMEES ADQ
AQRRDDMLRMYHALKEALNIIGDISTSTVSTPVPP PVDDTWLQSASSHSPTPQRRP
VSSIHPGRPPAVRGPTPG PPLIPVPVGAAASFSAPIPSRPGPQSVFANSDFPAP

GENE INFORMATION

Gene Name

DNM2 dynamin 2 [Homo sapiens]

Official Symbol

DNM2

Synonyms

DNM2; dynamin 2; dynamin-2; CMTDI1; CMTDIB; cytoskeletal protein; DI CMTB;
DYN2; dynamin II; DYNII;

Gene ID

1785

mRNA Refseq

NM_001005360

Protein Refseq

NP_001005360

MIM

602378

Uniprot ID

P50570

Chromosome

19p

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Location	
Pathway	Arf6 trafficking events, organism-specific biosystem; Axon guidance, organism-specific biosystem; Bacterial invasion of epithelial cells, organism-specific biosystem; Bacterial invasion of epithelial cells, conserved biosystem; Clathrin derived vesicle budding, organism-specific biosystem;
Function	GTP binding; GTPase activity; GTPase activity; enzyme binding; hydrolase activity;

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