

Recombinant Human DNM2 protein, His/T7-tagged

Cat. No. DNM2-15H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DNM2(aa 533-731) fused with His/T7 tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	533-731 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.
Form	Lyophilized from PBS, pH 7.4, 5% trehalose, 0.01% sarcosyl
Molecular Mass	27.2 kDa
Purity	Greater than 95%
Storage	Store at +4 centigrade for up to 1 month, or aliquot and store at -80 centigrade for up to 12 months. Avoid repeat freeze-thaw cycles.

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Reconstitution Reconstitute in sterile PBS, pH 7.2-7.4.

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; CMT2M; DI-CMTB;

Gene ID 1785

mRNA Refseq NM_004945

Protein Refseq NP_004936

MIM 602378

UniProt ID P50570

Chromosome Location 19p

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; microtubule binding; nucleotide binding; protein binding; protein complex binding;

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protein kinase binding;

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