

## Recombinant Human DNM2 protein, His/T7-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human DNM2(aa 533-731) fused with His/T7 tag was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	533-731 a.a.
<b>Description</b>	<p>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.</p>
<b>Form</b>	Lyophilized from PBS, pH 7.4, 5% trehalose, 0.01% sarcosyl
<b>Molecular Mass</b>	27.2 kDa
<b>Purity</b>	Greater than 95%
<b>Storage</b>	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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