

Recombinant Human DNM1 protein, MYC/DDK-tagged

Cat. No. DNM1-06H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human DNM1, transcript variant 2, fused with MYC/DDK tag at C-terminal was expressed in HEK293.
Species	Human
Source	HEK293
Description	This gene encodes a member of the dynamin subfamily of GTP-binding proteins. The encoded protein possesses unique mechanochemical properties used to tubulate and sever membranes, and is involved in clathrin-mediated endocytosis and other vesicular trafficking processes. Actin and other cytoskeletal proteins act as binding partners for the encoded protein, which can also self-assemble leading to stimulation of GTPase activity. More than sixty highly conserved copies of the 3' region of this gene are found elsewhere in the genome, particularly on chromosomes Y and 15. Alternatively spliced transcript variants encoding different isoforms have been described.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	95.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

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GENE INFORMATION

Gene Name	DNM1 dynamin 1 [Homo sapiens]
Official Symbol	DNM1
Synonyms	DNM1; dynamin 1; DNM; dynamin-1;
Gene ID	1759
mRNA Refseq	NM_001005336
Protein Refseq	NP_001005336
MIM	602377
UniProt ID	Q05193
Chromosome Location	9q34
Pathway	Axon guidance, organism-specific biosystem; Bacterial invasion of epithelial cells, organism-specific biosystem; Bacterial invasion of epithelial cells, conserved biosystem; CXCR3-mediated signaling events, organism-specific biosystem; CXCR4-mediated signaling events, organism-specific biosystem; Developmental Biology, organism-specific biosystem; EGFR1 Signaling Pathway, organism-specific biosystem;
Function	GTP binding; GTPase activity; hydrolase activity; identical protein binding; nucleotide binding; protein binding;

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