# Recombinant Human DNM2, MYC/DDK-tagged

**Cat. No.** DNM2-18H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Human DNM2, transcript variant 1, 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** | 97.9 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

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| **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_001005360 |
| **Protein Refseq** | NP_001005360 |
| **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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