# Recombinant Human DNM2 Protein

**Cat. No.** DNM2-20H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Human DNM2 Protein expressed in E.coli. |
| **Species** | Human |
| **Source** | E.coli |
| **ProteinLength** | a.a.533-866 |
| **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. |
| **Form** | Liquid. In 1xPBS, pH7.4. |
| **Molecular Mass** | 41.0kDa |
| **AA Sequence** | MGSSHHHHHHSSGLVPRGSHMASMTGGQQMGRGSEFLMKGGSKEYWFVLTAES LSWYKDEEEKEKKYMLPLDNLKIRDVEKGFMSNKHVFAIFNTEQRNVYKDLRQIELA |

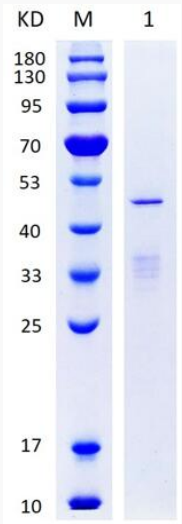
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|---|---|
| | CDSQEDVDSWKASFLRAGVYPEKDQAENEDGAQENTFSMDPQLERQVETIRNLVD SYVAIINKSIRDLMPKTIMHLMINNTKAFIHHELLAYLYSSADQSSLMEESADQAQRRD DMLRMYHALKEALNIIGDISTSTVSTPVPPPVDDTWLQSASSHSPTPQRRPVSSIHPP GRPPAVRGPTPGPPLIPVPVGAAASFSAPPIPSRPGPQSVFANSDLFPAPPQIPSRP VRIPPGIPPGVPSRRPPAAPSRPTIIRPAEP |
| **Purity** | >90% as determined by SDS-PAGE |
| **Storage** | Please prepare aliquots and store at -20~-80 centigrade. Avoid freeze/thaw cycles. |
| **Concentration** | 0.1 mg/ml |

## GENE INFORMATION

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| **Gene Name** | DNM2 dynamin 2 [ Homo sapiens (human) ] |
| **Official Symbol** | DNM2 |
| **Synonyms** | DYN2; CMT2M; DYNII; LCCS5; CMTDI1; CMTDIB; DI-CMTB |
| **Gene ID** | 1785 |
| **mRNA Refseq** | NM_004945.4 |
| **Protein Refseq** | NP_004936.2 |
| **MIM** | 602378 |
| **UniProt ID** | P50570 |

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|---|---|
| **SDS-PAGE** | <br>12% SDS-PAGE analysis profile of purified Human DNM2 protein (a.a.533-866) (CBB stained).<br>Lane M: Protein Marker Lane 1: Elution (0.4 ug protein loaded) |

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