

# Recombinant Full Length Human DNM2 Protein, GST-tagged

Cat. No. DNM2-4045HF    Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human DNM2 full-length ORF ( NP_001005360.1, 1 a.a. - 870 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	870 amino acids
<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. 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. [provided by RefSeq, Jun 2010]</p>
<b>Molecular Mass</b>	124.5 kDa
<b>AA Sequence</b>	<p>MGNRGMEELIPLVNLKLDQAFSSIGQSCHLDLPQIAVVGGQSAGKSSVLENFVGRDFL            PRGSGIVTRRPLILQLIFSKTEHAEFLHCKSKKFTDFDEVQRQEIEAETDRVTGTNKGIS            PVPINLRVYSPHVLNLTLDLPGITKVPVGDQPPDIEYQIKDMILQFISRESSLILAVTPA</p>

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

NMDLANS DALKLAKEVDPQGLRTIGVITKLDLMDEGTDARDVLENKLLPLRRGYIGVV  
 NRSQKDIEGKKDIRAALAAERKFFLSHPAYRHMADRMGTPHLQKTLNQQLTNHIRE  
 LPALRSKLSQQLSLEKEVEEYKNFRPDDPTRKTKALLQM VQQFGVDFEKRIEGSGD  
 QVDTLELSGGARINRIFHERFPFELVKMEFDEKDLRREISYAIKNIHGVRTGLFTPDLA  
 FEIVKKQVVKLKEPCLKCVDLVIQELINTVRQCTSKLSSYPRLREETERIVTTYIRERE  
 GRTKDQILLIDIEQSYINTNHEDFIGFANAQQRSTQLNKKRAIPNQGEILVIRRGWLT  
 NNISLMKGGKEYWFVLTAE SLSWYKDEEEKEKKYMLPLDNLKIRDVEKGFMSNKH  
 VFAIFNTEQRNVYKDLRQIELACDSQEDVDSWKASFLRAGVYPEKDAQENEDGAQE  
 NTFSMDPQLERQVETIRNLVDSYVAIINKSIRDLMPKTIMHLMINNTKAFIHELLAYLY  
 SSADQSSLMEE SADAQRRDDMLRMYHALKEALNIIGDISTSTVSTPVPVDDDTWL  
 QSASSHSPTPQRRPVSSIHPPGRPPAVRGPTPGPPLIPVPVGAASFSAPPISRP  
 PQSVFANSDFPAPPQIPSRPVRIPPGIPPGVPSRRPPAAPS RPTIIRPAEPSLLD

**Applications**

Enzyme-linked Immunoabsorbent Assay  
 Western Blot (Recombinant protein)  
 Antibody Production  
 Protein Array

**Notes**

Best use within three months from the date of receipt of this protein.

**Storage**

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer**

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

**Gene Name**

DNM2 dynamin 2 [ Homo sapiens ]

**Official Symbol**

DNM2

**Synonyms**

DNM2; dynamin 2; dynamin-2; CMTDI1; CMTDIB; cytoskeletal protein; DI CMTB;

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DYN2; dynamin II; DYNII; CMT2M; DI-CMTB;

**Gene ID**

1785

**mRNA Refseq**

NM\_001005360

**Protein Refseq**

NP\_001005360

**MIM**

602378

**UniProt ID**

P50570

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