

Recombinant Full Length Human DNM2 Protein, GST-tagged

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

SPECIFICATION

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

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NMDLANS DALKLAKEVDPQGLRTIGVITKLDLMDEGTDARDVLENKLLPLRRGYIGVV
 NRSQKDIEGKKDIRAALAAERKFFLSHPAYRHMADRMGTPHLQKTLNQQLTNHIRES
 LPALRSKLQSQLLSLEKEVEEYKNFRPDDPTRKTKALLQMVQQFGVDFEKRIEGSGD
 QVDTLELSGGARINRIFHERFPFELVKMEFDEKDLRREISYAIKNIHGVRTGLFTPDLA
 FEAIVKKQVVKLKEPCLKCVDLVIQELINTVRQCTSKLSSYPRLREETERIVTTYIRERE
 GRTKDQILLIDIEQSYINTNHEDFIGFANAQQRSTQLNKKRAIPNQGEILVIRRGWLT
 NNISLMKGGSKKEYWFLTAESLSWYKDEEEKEKKYMLPLDNLKIRDVEKGFM SNKH
 VFAIFNTEQRNVYKDLRQIELACDSQEDVDSWKASFLRAGVYPEKDQAENEDGAQE
 NTFSMDPQLERQVETIRNLVDSYVAIINKSIRDLMPKTIMHLMINNTKAFIHHELLAYLY
 SSADQSSLMEESADQAQRDDMLRMYHALKEALNIIGDISTSTVSTPVPVPPVDDTWL
 QSASSHSPTPQRRPVSSIHPPGRPPAVRGPTPGPPLIPVPVGAAASFSAPIPSRPG
 PQSVFANSDLFPAPPQIPSRPVRIPPGIPPGVPSRRPPAAPSRTIIRPAEPSLLD

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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