

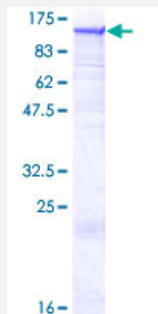
Full-Length

DNM2 (Human) Recombinant Protein (P01)

Catalog # H00001785-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human DNM2 full-length ORF (NP_001005360.1, 1 a.a. - 870 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MGNRGMEELIPLVNLQDAFSSIGQSCHLDLPQIAVVGGQSAGKSSVLENFVGRDFLPRGSGMT
RRPLILQLFSKTEHAFLHCKSKKFTDFDEVRQEIEAETDRVTGTNKGISVPINLRVYSPHVLNLT
LIDLPGITKVPVGDQPPDIEYQIKDMILQFISRESSLILAVTPANMDLANSALKLAKEVDPQGLRTIG
VITKLDLMDEGTDARDVLENKLLPLRRGYIGVVNRSQKDIEGKKDIRAALAAERKFFLSHPAYRHM
ADRMGTPHLQKTLNQQLTNHIRESLPALRSKLQSLLSLEKEVEEYKNFRPDDPTRTKALLQMV
QQFGVDFEKRIEGSGDQVDTLELSGGARINRIFHERFPFELVKMEFDEKDLRREISYAIKNIHGVRT
GLFTPDLAFAEAVKKQVVKLKEPCLKCVDLVIQELINTVRQCTSKLSSYPRLREETERIVTTYRERE
GRTKDQILLIDIEQSYINTNHEDFIGFANAQQRSTQLNKKRAIPNQGEILVIRRGWLTINNISLMKGG
KEYWFLTAESLSWYKDEEEKEKKYMLPLDNLKIRDVEKGFMSNKHVFAIFNTEQRNVYKDLRQI
ELACDSQEDVDSWKASFLRAGVYPEKDQAENEDGAQENTFSMDPQLERQVETIRNLVDSYVAII
NKSIRDLMPKTIMHLMINNTKAFIHHELLAYLYSSADQSSLMEEESADQAQRDDMLRMYHALKEAL
NIIGDISTSTVSTPVPVDDTWLQSASSHSPTQRRPVSSIHPPGRPPAVRGPTPGPPLIPVPVG
AAASFSAPIPSRPGPQSVFANSDFPAPPQIPSRPVRIPPGIIPGVPSRRPPAAPSRTIIRPAEP
SLLD

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

124.5

Interspecies Antigen Sequence

Mouse (98); Rat (98)

Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — DNM2

Entrez GeneID	1785
GeneBank Accession#	NM_001005360.1
Protein Accession#	NP_001005360.1
Gene Name	DNM2
Gene Alias	CMTD11, CMTD1B, DI-CMTB, DYN2, DYNII
Gene Description	dynamamin 2
Omim ID	160150 602378 606482
Gene Ontology	Hyperlink

Gene Summary

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. Four 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]

Other Designations

dynamin II

Pathway

- [Endocytosis](#)
- [Fc gamma R-mediated phagocytosis](#)

Disease

- [Alzheimer disease](#)
- [Anorexia Nervosa](#)
- [Bulimia](#)
- [Genetic Predisposition to Disease](#)