Recombinant Human DNM2 Protein

Cat. No. DNM2-21H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DNM2 Protein was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	533-824 aa
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	36.6kDa
AA Sequence	MGSSHHHHHHSSGLVPRGSHMASMTGGQQMGRGSEFLMKGGSKEYWFVLTAES LSWYKDEEEKEKKYMLPLDNLKIRDVEKGFMSNKHVFAIFNTEQRNVYKDLRQIELA

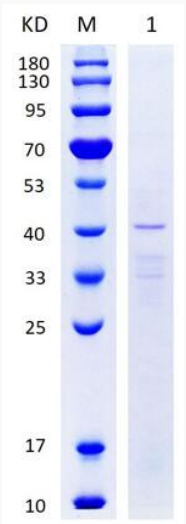
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	CDSQEDVDSWKASFLRAGVYPEKDQAENEDGAQENTFSMDPQLERQVETIRNLVD SYVAIINKSIRDLMPKTIMHLMINNTKAFIHHELLAYLYSSADQSSLMEESADQAQRRD DMLRMYHALKEALNIIGDISTSTVSTPVPPPVDDTWLQSASSHSPTPQRRPVSSIHPP GRPPAVRGPTPGPPLIPVPVGAAASFSAPPIPSRPGPQSVFANSDL
Purity	>90% as determined by SDS-PAGE
Storage	Please prepare aliquots and store at -20 to -80 centigrade. Avoid freeze/thaw cycles.
Concentration	0.26 mg/ml

GENE INFORMATION

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	 12% SDS-PAGE analysis profiles of purified Human DNM2 protein (a.a.533-824) (CBB stained).

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