

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	<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.</p>
Form	Liquid. In 1xPBS, pH7.4.
Molecular Mass	36.6kDa
AA Sequence	<p>MGSSHHHHHHSSGLVPRGSHMASMTGGQQMGRGSEFLMKGGSKEYWFLTAES LSWYKDEEEKEKKYMLPLDNLKIRDVEKGFMSNKHVFAIFNTEQRNVYKDLRQIELA</p>

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CDSQEDVDSWKASFLRAGVYPEKDQAENEDGAQENTFSMDPQLERQVETIRNLVD
SYVAIINKSIRDLMPKTIMHLMINNTKAFIHHELLAYLYSSADQSSLMEESADQAQRRD
DMLRMYHALKEALNIIGDISTSTVSTPVPPPVDLWLSASSHSPTPQRRPVSSIHPP
GRPPAVRGPTPGPPLIPVPGAAASFSAPPISRPQSGVVFANSDL

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](#)

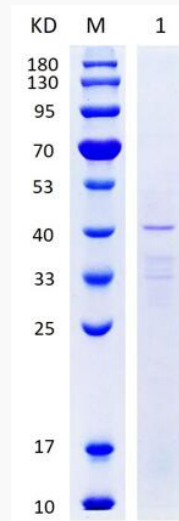
UniProt ID [P50570](#)

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SDS-PAGE



12% SDS-PAGE analysis profiles of purified Human DNMT2 protein (a.a.533-824) (CBB stained).

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