

Recombinant Full Length Human DNM1L Protein, GST-tagged

Cat. No. DNM1L-4043HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human DNM1L full-length ORF (AAH24590.1, 1 a.a. - 710 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	710 amino acids
Description	This gene encodes a member of the dynamin superfamily of GTPases. The encoded protein mediates mitochondrial and peroxisomal division, and is involved in developmentally regulated apoptosis and programmed necrosis. Dysfunction of this gene is implicated in several neurological disorders, including Alzheimer's disease. Mutations in this gene are associated with the autosomal dominant disorder, encephalopathy, lethal, due to defective mitochondrial and peroxisomal fission (EMPF). Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jun 2013]
Molecular Mass	103.84 kDa
AA Sequence	MEALIPVINKLQDVFNTVGADIIQLPQIVVVGTSQSSGKSSVLESVGRDLLPRGTGIVT RRPLILQLVHVSQEDKRKTTGEENGVEAEWVGKFLHTKNKLYTDFDEIRQEIENETE RISGNNKGVSPPIHLKIFSPNVVNLTLVDLPGMTKVPVGDQPKDIELQIRELILRFISN PNSIILAVTAANTDMATSEALKISREVDPDGRRTLAVITKLDLMDAGTDAMDVLMGRV IPVKLGIIGVVNRSQLDINNKKSVTDSIRDEYAFLLQKKYPSLANRNGTKYLARTLNRL

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MHHIRDCLPELKTRINVLAAQYQSLNLSYGEVDDKSATLLQLITKFATEYCNITIEGTA
 KYIETSELGGARICYIFHETFGRTLLESVDPLGGLNTIDILTAIRNATGPRPALFVPEVS
 FELLVKRQIKRLEEPSLRCVELVHEEMQRRIQHCSNYSTQELLRFPKLHDAIVEVVTCL
 LRKRLPVTNEMVHNLVAIELAYINTKHPDFADACGLMNNNIEEQRRNRLARELPSAV
 SRDKLIQDSRRETKNVASGGGGVGDGVQEPTTGNWRGMLKTSKAEELLAEEKSKPI
 PIMPASPQKGHAVNLLDVPVPVARKLSAREQRDCEVIERLIKSYFLIVRKNIQDSVPK
 AVMHFLVNHVKDTLQSELVGQLYKSSLLDDLLTESEDMAQRRKEAADMLKALQGAS
 QIIAEIRETHLW

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

DNM1L [dynamamin 1-like \[Homo sapiens \]](#)

Official Symbol

DNM1L

Synonyms

DNM1L; dynamamin 1-like; dynamamin-1-like protein; DRP1; DVLP; DYMPLE; HDYNIV;
 VPS1; dynamamin-like protein 4; dynamamin-like protein IV; Dnm1p/Vps1p-like protein;
 dynamamin-related protein 1; dynamamin family member proline-rich carboxyl-terminal
 domain less; DLP1; EMPF; DYNIV-11; FLJ41912;

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Gene ID	10059
mRNA Refseq	NM_005690
Protein Refseq	NP_005681
MIM	603850
UniProt ID	O00429

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