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- Mindermengenzuschlag
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- Expressversand

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Datasheet

DNM1L (Human) Recombinant Protein (P01)

Catalog Number: H00010059-P01

Regulation Status: For research use only (RUO)

Product Description: Human DNM1L full-length ORF (AAH24590.1, 1 a.a. - 710 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MEALIPVINKLQDVFNVTGADIQLPQIVVVGTQSSGKS
SVLESLVGRDLLPRGTGIVTRRPLILQLVHVSQEDKRK
TTGEENGVEAEWGWKFLHTKNKLYTDFDEIRQEIENET
ERISGNNKGVSPPIHLKIFSPNVNLTLDVLPGMTKVP
VGDQPKDIELQIRELILRFISNPNSIILAVTAANTDMATS
EALKISREVDPDGRRTLAVITKLDLMDAGTDAMDVLMG
RVIPVKLGIIGVVNRSQLDINNKKSVTDSIRDEYAFLOK
KYPPLANRNGTKYLARTLNRLMHHIRDCLPELKTRIN
VLAQYQSLLSYGEVDDKSATLLQLITKFATEYCNTI
EGTAKYIETSELGGARICYIFHETFGRTLESVDPLGGL
NTIDILTAIRNATGPRPALFVPEVSFELLVKRQIKRLEEP
SLRCVELVHEEMQRIIQHCSNYSTQELLRFPKLHDAIV
EVVTCLLRKRLPVTNEMVHNLVAIELAYINTKHPDFADA
CGLMNNNIEEQRRNRLARELPSAVSRDKLIQDSRRET
KNVASGGGGVGDGVQEPTTGNWRGMLKTSKAEELLA
EEKSKPIIMPASPQKGHAVNLLDVPVPVARKLSAREQ
RDCEVIERLIKSYFLIVRKNIQDVPKAVMHFLVNHVKD
TLQSELVGLYKSSLLDLDLLESEDMAQRRKEAADML
KALQGASQIAEIRETHLW

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 103.84

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

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.

Entrez GeneID: 10059

Gene Symbol: DNM1L

Gene Alias: DLP1, DRP1, DVLP, DYMPLE, DYNIV-11, FLJ41912, HDYNIV, VPS1

Gene Summary: The protein encoded by this gene is a member of the dynamin superfamily of GTPases. Members of the dynamin-related subfamily, including the *S. cerevisiae* proteins Dnm1 and Vps1, contain the N-terminal tripartite GTPase domain but do not have the pleckstrin homology or proline-rich domains. This protein establishes mitochondrial morphology through a role in distributing mitochondrial tubules throughout the cytoplasm. The gene has 3 alternatively spliced transcripts encoding different isoforms. These transcripts are alternatively polyadenylated. [provided by RefSeq]

References:

1. Inhibition of mitochondrial fragmentation diminishes Huntington's disease-associated neurodegeneration. Guo X, Disatnik MH, Monbureau M, Shamloo M, Mochly-Rosen D, Qi X J Clin Invest. 2013 Dec 2;123(12):5371-88. doi: 10.1172/JCI70911. Epub 2013 Nov 15.
2. Inhibition of excessive mitochondrial fission reduced aberrant autophagy and neuronal damage caused by LRRK2 G2019S mutation. Su YC, Qi X Hum Mol Genet. 2013 Jun 27.
3. A novel Drp1 inhibitor diminishes aberrant mitochondrial fission and neurotoxicity. Qi X, Qvit N, Su YC, Mochly-Rosen D J Cell Sci. 2013 Feb 1;126(Pt 3):789-802. doi: 10.1242/jcs.114439. Epub 2012 Dec 13.