

Product datasheet for **TP302046L**

DRP1 (DNM1L) (NM_012063) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human dynamin 1-like (DNM1L), transcript variant 2, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC202046 protein sequence Red =Cloning site Green =Tags(s)

MEALIPVINKLQDVFNVTGADIQLPQIVVVGTSQSSGKSSVLESVGRDLLPRGTGIVTRRPLILQLVHV
SQEDKRKTTGEENGVEAEWGWKFLHTKNKLYTDFDEIRQEIENETERISGNNKGVSPPEIHLKIFSPNVV
NLTLVDLPGMTKVPVGDQPKDIELQIRELILRFISNPNSIILAVTAANTDMATSEALKISREVPDGRRT
LAVITKLDLMDAGTDAMDVLMGRVIPVKLGIIGVWNRSQLDINNKKSVTDSIRDEYAFLOKQKYPPLANRN
GTKYLARTLNRLMHHIRDCLPELKTRINVLAAQYQSLLSYGEVDDKSATLLQLITKFATEYCNITIEG
TAKYIETSELCCGARICYIFHETFGRTLESVDPLGGLNTIDILTAIRNATGPRPALFVPEVSFELLVKRQ
IKRLEEPSLRCELVHEEMQRRIQHCSNYSTQELLRFPKLHDAIVEVVTCLLRKRLPVTNEMVHNLVAIE
LAYINTKHPDFADACGLMNNNIEEQRRNRLARELPSAVSRDKLIQDSRRETKNVASGGGGVGDGVQEPTT
GNWRGMLKTSKAEELLAEEKSKPIPIIMPASPQKGHAVNLLDVPVPVARKLSAREQRDCEVIERLIKSYFL
IVRKNIQDSVPKAVMHFLVNHVKDTLQSELVGQLYKSSLLDDLLTESEDMAQRRKEAADMLKALQGASQI
IAEIRETHLW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

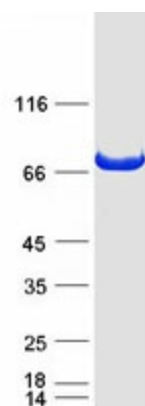
Tag:	C-Myc/DDK
Predicted MW:	79.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_036193
Locus ID:	10059
UniProt ID:	O00429 , B4DYR6
RefSeq Size:	4537
Cytogenetics:	12p11.21
RefSeq ORF:	2130
Synonyms:	DLP1; DRP1; DVLP; DYMPLE; EMPF; EMPF1; HDYNIV; OPA5
Summary:	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]
Protein Pathways:	Endocytosis, Fc gamma R-mediated phagocytosis

Product images:



Coomassie blue staining of purified DNM1L protein (Cat# [TP302046]). The protein was produced from HEK293T cells transfected with DNM1L cDNA clone (Cat# [RC202046]) using MegaTran 2.0 (Cat# [TT210002]).