

## Product datasheet for **TP302046**

### 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, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC202046 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MEALIPVINKLQDVFNTVVGADIIQLPQIVVVGTSQSSGKSSVLESVGRDLLPRGTGIVTRRPLILQLVHV  
SQEDKRKTTGEENGVEAEWGWKFLHTKNKLYTDFDEIRQEIENETERISGNNKGVSPPEIHLKIFSPNVV  
NLTLVDLPGMTKVPVGDQPKDIELQIRELILRFISNPNSIILAVTAANTDMATSEALKISREVPDGRRT  
LAVITKLDLMDAGTDAMDVLMGRVIPVKLGIIGVWNRSQLDINNKKSVTDSIRDEYAFLOKQKYPANRN  
GTKYLARTLNRLMHHRDCLPELKTRINVLAAQYQSLLSYGEVDDKSATLLQLITKFATEYCNITIEG  
TAKYIETSELGGARICYIFHETFGRTLESVDPLGGLNTIDILTAIRNATGPRPALFVPEVSFELLVQRQ  
IKRLEEPSLRCELVHEEMQRHHCNSYSTQELLRFPKLHDAIVEVVTCLLRKRLPVTNEMVHNLVAIE  
LAYINTKHPDFADACGLMNNNIEEQRRNRLARELPSAVSRDKLIQDSRRETKNVASGGGGVGDGVQEPTT  
GNWRGMLKTSKAEELLAEEKSKPIPIPPASPQKGHAVNLLDVPVPVARKLSAREQRDCEVIERLIKSYFL  
IVRKNIQDSVPKAVMHFLVNHVKDTLQSELVGLYKSSLLDLDLLESEDMAQRRKEAADMLKALQGASQI  
IAEIRETHLW

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

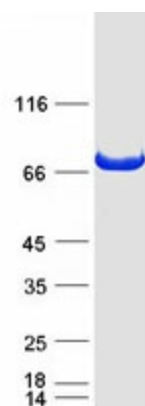
Tag:	C-Myc/DDK
Predicted MW:	79.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_036193</a>
<b>Locus ID:</b>	10059
<b>UniProt ID:</b>	<a href="#">O00429</a> , <a href="#">B4DYR6</a>
<b>RefSeq Size:</b>	4537
<b>Cytogenetics:</b>	12p11.21
<b>RefSeq ORF:</b>	2130
<b>Synonyms:</b>	DLP1; DRP1; DVLP; DYMPLE; EMPF; EMPF1; HDYNIV; OPA5
<b>Summary:</b>	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]
<b>Protein Pathways:</b>	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]).