

## Product datasheet for **TP701251**

### DRP1 (DNM1L) (NM\_012063) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human dynamin 1-like (DNM1L), transcript variant 2, mutant[S590D], 20ug
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	A DNA sequence from TrueORF clone, RC202046, encoding the full-length of DNM1L(S590D)
Tag:	C-Myc/DDK
Predicted MW:	79.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate Bradford method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for at least 1 year from receipt of products under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_036193</a>
Locus ID:	10059
UniProt ID:	<a href="#">O00429</a> , <a href="#">B4DYR6</a>
RefSeq Size:	4537
Cytogenetics:	12p11.21
RefSeq ORF:	2130
Synonyms:	DLP1; DRP1; DVLP; DYMPLE; EMPF; EMPF1; HDYNIV; OPA5



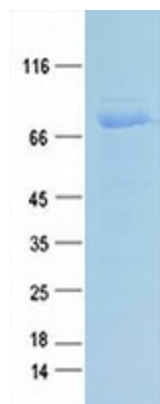
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**Summary:**

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 #TP701251). The protein was produced from mammalian cells transfected with DNM1L cDNA clone (Cat #[RC202046]).