

# Recombinant Human DNM1 Protein (2-245 aa), His-SUMO-tagged

**Cat. No.** DNM1-458H    **Lot. No.** (See product label)

## SPECIFICATION

**Product Overview**      Recombinant Human DNM1 Protein (2-245 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Research Area: Neuroscience. Protein Description: Partial.

**Species**      Human

**Source**      E.coli

**ProteinLength**      2-245 aa

**Description**      Microtubule-associated force-producing protein involved in producing microtubule bundles and able to bind and hydrolyze GTP. Most probably involved in vesicular trafficking processes. Involved in receptor-mediated endocytosis.

**Form**      Tris-based buffer, 50% glycerol

**Molecular Mass**      42.7 kDa

**AA Sequence**      GNRGMEDLIPLVNRLQDAFSAIGQNADLDLPQIAVVGGSAGKSSVLENFVGRDFLP  
 RGSGIVTRRPLVLQLVNATTEYAEFLHCKGKKFTDFEEVRLEIEAETDRVTGTNKGIS  
 PVPINLRVYSPHVLNLTLDLPGMTKVPVGDQPPDIEFQIRDMLMQFVTKENCLILAV  
 SPANSDLANSALKVAKEVDPQGGQRTIGVITKLDLMDDEGTDARDVLENKLLPLRRGY  
 IGVVNRSQKDIDGK

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<b>Purity</b>	> 90% as determined by SDS-PAGE.
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
<b>Concentration</b>	A hardcopy of COA with concentration instruction is sent along with the products.

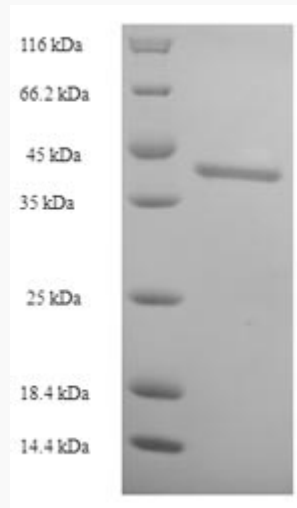
## GENE INFORMATION

<b>Gene Name</b>	DNM1 dynamin 1 [ Homo sapiens ]
<b>Official Symbol</b>	DNM1
<b>Synonyms</b>	DNM1; dynamin 1; DNM; dynamin-1;
<b>Gene ID</b>	1759
<b>mRNA Refseq</b>	NM_001005336
<b>Protein Refseq</b>	NP_001005336
<b>MIM</b>	602377
<b>UniProt ID</b>	Q05193

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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