

# Recombinant Full Length Human RPN1 Protein, C-Flag-tagged

Cat. No. RPN1-1186HFL Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Full Length Human RPN1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>Description</b>	This gene encodes a type I integral membrane protein found only in the rough endoplasmic reticulum. The encoded protein is part of an N-oligosaccharyl transferase complex that links high mannose oligosaccharides to asparagine residues found in the Asn-X-Ser/Thr consensus motif of nascent polypeptide chains. This protein forms part of the regulatory subunit of the 26S proteasome and may mediate binding of ubiquitin-like domains to this proteasome.
<b>Form</b>	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
<b>Molecular Mass</b>	66.2 kDa
<b>AA Sequence</b>	MEAPAAGLFLLLLLGTWAPAPGSASSEAPPLINEDVKRTVDLSSHLAKVTAEVVLAHL GGGSTRATSFL LALEPELEARLAHLGVQVKGEDDEENNLEVRETKIKGKSGRFFT VKLPVALDPGAKISVIVETVYTHVLH PYPTQITQSEKQFVVFEGNHYFYSPYPTKTQT MRVKLASRNVESYTKLGNPTRSEDLDDYGPFRDVPAYS QDTFKVHYENNSPFLTIT SMTRVIEVSHWGNIAVEENVDLKHTGAVLKGPFSTRYDYQRQPDSSGSSIRSF KTILP AAAQDVYYRDEIGNVSTSHLLILDDSVEMEIRPRFPLFGGWKTHYIVGYNLPSYEYLY NLGDQYA LKMRFVDHVFDEQVIDSLTVKIILPEGAKNIEIDSPYEISRAPDELHYTYLD

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TFGRPVIVAYKKNLVEQH IQDIVVHYTFNKVLMLQEPLLVVAIFYILFFTVIIYVRLDFSI  
 TKDPAAEARMKVACITEQVLTLVNKRI GLYRHFDETVNRYKQSRDISTLNSGKKSLE  
 TEHKALTSEIALLQSRLKTEGSDLCDRVSEMQLDAQVKE  
 LVLKSAVEAERLVAGKLLKDTYIENEK LISGKRQELVTKIDHILDALTRTRPLEQKLISE  
 EDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining.

**Stability** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**Storage** Store at -80 centigrade.

**Concentration** >50 ug/mL as determined by microplate BCA method.

**Preparation** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Protein Families** Transmembrane

**Protein Pathways** Metabolic pathways, N-Glycan biosynthesis

**Full Length** Full L.

## GENE INFORMATION

**Gene Name** [RPN1 ribophorin I \[ Homo sapiens \(human\) \]](#)

**Official Symbol** [RPN1](#)

**Synonyms** OST1; RBPH1

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Gene ID	6184
mRNA Refseq	NM_002950.4
Protein Refseq	NP_002941.1
MIM	180470
UniProt ID	P04843



Coomassie blue staining of purified RPN1 protein.

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