

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

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

SPECIFICATION

Product Overview	Recombinant Full Length Human RPN1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	66.2 kDa
AA Sequence	MEAPAAGLFLLLLGTWAPAPGSASSEAPPLINEDVKRTVDLSSHLAKVTAEVVLAHL GGGSTSRATSFL LALEPELEARLAHLGVQVKGEDEEENNLEVRETKIKGKSGRFFT VKLPVALDPGAKISVIVETVYTHVLH PYPTQITQSEKQFVVFEGNHYFSPYPTKTQT MRVKLASRNVESYTKLGNPTRSEDLDDYGPFRDVPAYS QDTFKVHYENNSPFLTIT SMTRVIEVSHWGNIAVEENVDLKHTGAVLKGPFSRYDYQRQPDSSGSISSIRSF KTILP AAAQDVYYRDEIGNVSTSHLLILDDSVEMEIRPRFPLFGGWKTHYIVGYNLPSYEYLY NLGDQYA LKMRFVDHVFDEQVIDSLTVKIILPEGAKNIEIDSPYEISRAPDELHYTYLD

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TFGRPVIVAYKKNLVEQH IQDIVVHYTFNKVLMLQEPLLVAIFYILFFTIIYVRLDFS
TKDPAAEARMKVACITEQVLTNLVKRI GLYRHFDETVNRYKQSRDISTLNSGKKSLE
TEHKALTSEIALLQSRLKTEGSDLCDRVSEMQKLDAQVKE
LVLKSAVEAERLVAGKLKDDTYIENEKLSGKRQELVTKIDHILDALTRTRPLEQKLISE
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

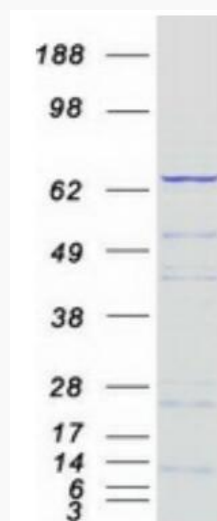
Gene Name	RPN1 ribophorin I [Homo sapiens (human)]
Official Symbol	RPN1
Synonyms	OST1; RBPH1

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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.