

Recombinant Human RPN1 Protein, Myc/DDK-tagged

Cat. No. RPN1-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant protein of human ribophorin I (RPN1) with a C-Myc/DDK tag was expressed in HEK293T.
Species	Human
Source	HEK293
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.
Molecular Mass	66.2 kDa
AA Sequence	MEAPAAGLFLLLLGTWAPAPGSASSEAPPLINEDVKRTVDLSSHLAKVTAEVVLAHL GGGSTSRATSFLLALEPELEARLAHLGVQVKGEDEEENNLEVRETKIKGKSGRFFTV KLPVALDPGAKISVIVETVYTHVLHPYPTQITQSEKQFVVFEGNHFYFSPYPTKTQTM RVKLASRNVESYTKLGNPTRSEDLLDYGPFRDVPAYSQDTFKVHYENNSPFLTITSM TRVIEVSHWGNIAVEENVDLKHTGAVLKGPFSRYDYQRQPDSSGSIIRSFKTILPAAA QDVYYRDEIGNVSTSHLLILDDSVEMEIRPRFPLFGGWKTHYIVGYNLPSYEYLYNLG DQYALKMRFVDHVFDEQVIDSLTVKIILPEGAKNIEIDSPYEISRAPDELHYTYLDTFG RPVIVAYKKNLVEQHIQDIVVHYTFNKVLMLQEPLLVAAFYILFFTIIYVRLDFSITKD

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PAAEARMKVACITEQVLTTLVNKRIGLYRHFDETVNRYKQSRDISTLNSGKKSLETEHK
ALTSEIALLQSRKTEGSDLCDRVSEMQLDAQVKELVLKSAVEAERLVAGKLKKDT
YIENEKLISGKRQELVTKIDHILDAL

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 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

GENE INFORMATION

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

Official Symbol RPN1 ribophorin I [Homo sapiens (human)]

Synonyms RPN1; ribophorin I; OST1; RBPH1; dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 1; RPN-I; dolichyl-diphosphooligosaccharide-protein glycosyltransferase 67 kDa subunit; oligosaccharyltransferase 1 homolog; oligosaccharyltransferase complex subunit (non-catalytic); ribophorin-1; EC 2.4.99.18

Gene ID 6184

mRNA Refseq NM_002950

Protein Refseq NP_002941

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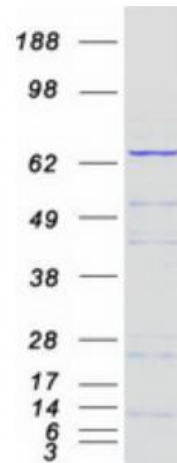
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MIM 180470

UniProt ID P04843

SDS-PAGE



Coomassie blue staining of purified RPN1 protein. The protein was produced from HEK293T cells transfected with RPN1 cDNA clone using MegaTran 2.0.

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