

Recombinant Human RPN1 Protein (Ala24-Ser179), His tagged

Cat. No. RPN1-6198H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human RPN1 (Ala24-Ser179) fused with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ala24-Ser179
Description	Subunit of the oligosaccharyl transferase (OST) complex that catalyzes the initial transfer of a defined glycan (Glc3Man9GlcNAc2 in eukaryotes) from the lipid carrier dolichol-pyrophosphate to an asparagine residue within an Asn-X-Ser/Thr consensus motif in nascent polypeptide chains, the first step in protein N-glycosylation. N-glycosylation occurs cotranslationally and the complex associates with the Sec61 complex at the channel-forming translocon complex that mediates protein translocation across the endoplasmic reticulum (ER). All subunits are required for a maximal enzyme activity.
Form	Lyophilized powder/frozen liquid
Molecular Mass	18.82 kDa
Purity	> 90 % as determined by SDS-PAGE
Notes	For research use only.

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Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	Supplied as solution form in PBS, pH 7.5 or lyophilized from PBS, pH 7.5.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	They are shipped out with dry ice/blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	RPN1 ribophorin I [Homo sapiens (human)]
Official Symbol	RPN1
Synonyms	RPN1; ribophorin I; dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 1; oligosaccharyltransferase 1 homolog (S. cerevisiae); OST1; RPN-I; ribophorin-1; oligosaccharyltransferase 1 homolog; dolichyl-diphosphooligosaccharide-protein glycosyltransferase 67 kDa subunit; dolichyl-diphosphooligosaccharide--protein glycosyltransferase 67 kDa subunit; RBPH1; DKFZp686B16177;
Gene ID	6184
mRNA Refseq	NM_002950
Protein Refseq	NP_002941
MIM	180470

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UniProt ID

P04843

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