

Recombinant Mouse Rpn1 Protein, MYC/DDK-tagged

Cat. No. Rpn1-241M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse ribophorin I (Rpn1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
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.
Molecular Mass	69 kDa
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 after receiving vials.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Concentration >50 ug/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 [Mus musculus (house mouse)]

Official Symbol Rpn1

Synonyms Rpn1; ribophorin I; Rpn-1; AU018702; D6Wsu137e; dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 1; RPN-I; dolichyl-diphosphooligosaccharide--protein glycosyltransferase 67 kDa subunit; ribophorin-1; EC 2.4.99.18

Gene ID 103963

mRNA Refseq NM_133933

Protein Refseq NP_598694

UniProt ID Q91YQ5

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