

Product datasheet for PH301554

Ribophorin I (RPN1) (NM_002950) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	RPN1 MS Standard C13 and N15-labeled recombinant protein (NP_002941)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201554
Predicted MW:	68.6 kDa
Protein Sequence:	>RC201554 protein sequence Red=Cloning site Green=Tags(s)

MEAPAAGLFLLLLGTWAPAGSASSEAPPLINEDVKRTVDLSSHLAKVTAEVVLAHLGGGSTRATSFL
LALPELEARLAHLGVQVKGEDDEENNLEVRETKIKGKSGRFFTVKLPVALDPGAKISVIVETVYTHVLH
PYPTQITQSEKQFVVFEGNHFYSPYPTKTQTMRVKLASRNVESYTKLGNPTRSEDLDDYGPFRDVPAYS
QDTFKVHYENNSPFLTITSMTRVIEVSHWGNIAVEENVLDKHTGAVLKGPFSTRYDQYRQPDGSSIRSF
KTILPAAAQDVVYRDEIGNVSTSHLLILDDSVEMEIRPRFPLFGGWKTHYIVGYNLPSEYLYNLGDQYA
LKMRFVDHVFDEQVIDSLTVKIIILPEGAKNIEIDSPYEISRAPDELHYTYLDTFGRPVIVAYKKNLVEQH
IQDIVVHYTFNKVLMQEPPLVVAIFYILFFTVIIVRLDFSITKDPAAEARMKVACITEQVLTLVNKRI
GLYRHFDETVNRYKQSRDITLNSGKKSLETEHKALTSEIALLQSRLKTEGSDLCDRVSEMQLDAQVKE
LVLKSAVEAERLVAGLKKDITYIENEKLSGKRQELVTKIDHILDAL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_002941
RefSeq Size:	2372
RefSeq ORF:	1821



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Synonyms: OST1; RBPH1

Locus ID: 6184

UniProt ID: [P04843](#)

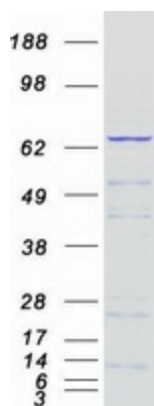
Cytogenetics: 3q21.3

Summary: 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. [provided by RefSeq, Jul 2008]

Protein Families: Transmembrane

Protein Pathways: Metabolic pathways, N-Glycan biosynthesis

Product images:



Coomassie blue staining of purified RPN1 protein (Cat# [TP301554]). The protein was produced from HEK293T cells transfected with RPN1 cDNA clone (Cat# [RC201554]) using MegaTran 2.0 (Cat# [TT210002]).