

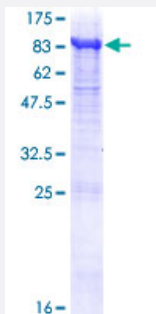
Full-Length

RPN2 (Human) Recombinant Protein (P01)

Catalog # H00006185-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human RPN2 full-length ORF (NP_002942.2, 1 a.a. - 631 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAPPGSSTVFLLALTIIASTWALTPHYLTkHDVERLKASLDRPFTNLESAFYsVGLSSLGAQVPD
AKKACTYIRSNLDPSNVDSLfyAAQASQALSGCEISISNETKDLLLLAAVSEDSSVTQYHAVAALSG
FGLPLASQEALSALTARLSKEETVLATVQALQTASHLSQQADLRsVEEIEDLVARLDELGGVYLQ
FEEGLETTALFVAATYKLMDHVGTEPSIKEDQVIQLMNAIFSKKNFESLSEAFSVASAAAVLSHNR
YHVPVVVVPEGSASDTHEQAILRLQVTNVLsQPLTQATVKLEHAKSVASRATVLQKTSFTPVGDV
FELNFMNVKFSSGYDFLVEVEGDNRyIANTVELRVKISTEVGITNVDLSTVDKQSIAPKTTRVTY
PAKAKGTFIADSHQNfALFFQLVDVNTGAELTPHQTFVRLHNQKTGQEVVFVAEPDNKNVYKFEL
DTSERKIEFDSASGTYTLyLIIGDATLKNPILWNVADVVIKFPEEEAPSTVLSQNLFTPKQEIQLFRE
PEKRPPTVVSNTFTALILSPLLLLfALWIRIGANVSNFTFAPSTIIFHLGHAAMLGLMYVYWTQLNMF
QTLKYLAILGSVTFLAGNRMLAQQAVKRTAH

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

95.7

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — RPN2

Entrez GeneID	6185
GeneBank Accession#	NM_002951.2
Protein Accession#	NP_002942.2
Gene Name	RPN2
Gene Alias	RIBIIR, RPN-II, RPNII, SWP1
Gene Description	ribophorin II
Omim ID	180490
Gene Ontology	Hyperlink
Gene 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 is similar in sequence to the yeast oligosaccharyl transferase subunit SWP1. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
Other Designations	dolichyl-diphosphooligosaccharide--protein glycosyltransferase 63 kDa subunit

Pathway

- [Metabolic pathways](#)
- [N-Glycan biosynthesis](#)

Disease

- [Tobacco Use Disorder](#)