Recombinant Human RPN2

Cat. No. RPN2-30984TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Ribophorin II with N-terminal proprietary tag. Predicted MW 94.48kDa.
Species	Human
Source	Wheat Germ
ProteinLength	631 amino acids
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 is similar in sequence to the yeast oligosaccharyl transferase subunit SWP1. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Molecular Weight	95.480kDa inclusive of tags
Tissue specificity	Expressed in all tissues tested.
Form	Liquid
Purity	Proprietary Purification

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Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MAPPGSSTVFLLALTIIASTWALTPTHYLTKHDVERLKAS LDRPFTNLESAFYSIVGLS SLGAQVPDAKKACTYIRSN LDPSNVDSLFYAAQASQALSGCEISISNETKDLLLAAVS E DSSVTQIYHAVAALSGFGLPLASQEALSALTARLSKEE TVLATVQALQTASHLSQQ ADLRSIVEEIEDLVARLDEL GGVYLQFEEGLETTALFVAATYKLMDHVGTEPSIKEDQ VI QLMNAIFSKKNFESLSEAFSVASAAAVLSHNRYHVPVV VVPEGSASDTHEQAILR LQVTNVLSQPLTQATVKLEHA KSVASRATVLQKTSFTPVGDVFELNFMNVKFSSGY YDFLV EVEGDNRYIANTVELRVKISTEVGITNVDLSTVDKDQS IAPKTTRVTYPAKAK GTFIADSHQNFALFFQLVDVNTG AELTPHQTFVRLHNQKTGQEVVFVAEPDNKNVY KFELDTS ERKIEFDSASGTYTLYLIIGDATLKNPILWNVADVVIK FPEEEAPSTVLSQN LFTPKQEIQHLFREPEKRPPTVVS NTFTALILSPLLLLFALWIRIGANVSNFTFAPSTIIF HLG HAAMLGLMYVYWTQLNMFQTLKYLAILGSVTFLAGNRM LAQQAVKRTAH
Sequence Similarities	Belongs to the SWP1 family.

GENE INFORMATION

Gene Name	RPN2 ribophorin II [Homo sapiens]
Official Symbol	RPN2
Synonyms	RPN2; ribophorin II; dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 2; RIBIIR; RPN II; RPNII; SWP1;
Gene ID	6185

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mRNA Refseq	NM_002951
Protein Refseq	NP_002942
MIM	180490
Uniprot ID	P04844
Chromosome Location	20q12-q13.1
Pathway	Asparagine N-linked glycosylation, organism-specific biosystem; Diabetes pathways, organism-specific biosystem; Insulin Synthesis and Processing, organism-specific biosystem; Metabolic pathways, organism-specific biosystem; Metabolism of proteins, organism-specific biosystem;
Function	dolichyl-diphosphooligosaccharide-protein glycotransferase activity; contributes_to dolichyl-diphosphooligosaccharide-protein glycotransferase activity; transferase activity;

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