

Recombinant Human RPN2

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

SPECIFICATION

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|---------------------------|---|
| 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: 8.00 Constituents: 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 | <p>MAPPGSSTVFLALTIIASTWALTPHYLTKHDVERLKAS LDRPFTNLESAFYISIVGLS SLGAQVPDAKKACTYIRSN LDPSNVDSL FYAAQASQALSGCEISISNETKDLLLA AVS E DSSVTQIYHAVAALSGFGLPLASQEALSALTARLSKEE TVLATVQALQTASHLSQQ ADLRSIVEEIEDLVARLDEL GGVYLQFEEGLETTALFVAATYKLMHDHVGTEPSIKEDQ VI QLMNAIFSKKNFESLSEAFSVASAAVLSHNRYPV VVPEGSASDTHEQAILR LQVTNVL SQPLTQATVKLEHA KSVASRATVLQKTSFTPVGDFELNFMNVKFSSGY YDFLV EVEGDNR YIANTVELRVKISTEVGITNVDLSTVDKDQS IAPKTRVTPAKAK GTFIADSHQNFALFFQLVDVNTG AELTPHQTFVRLHNQKTGQEVVFAEPDNKNVY KFELDTS ERKIEFDSASGTYTLYLIIGDATLKNPILWNVADVVIK FPEEEAPSTVLSQN LFTPQKQEIHLFREPEKRPPTVVS NTFTALILSPLLLLFALWIRIGANVSNFTFAPSTIIF HLG HAAMLGLMYVYWTQLNMFQTLKYLAIGSVTFLAGNRM LAQQAVKRTAH</p> |
| Sequence Similarities | Belongs to the SWP1 family. |

GENE INFORMATION

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|------------------------|---|
| 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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