

Recombinant Human RPN2, His-tagged

Cat. No. RPN2-7118H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human RPN2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	23-540aa
Description	RPN2, also known as ribophorin 2, is a dolichyl-diphosphooligosaccharide protein glycosyltransferase subunit 2. This 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. It is similar in sequence to the yeast oligosaccharyl transferase subunit SWP1.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.1M NaCl
Molecular Mass	59.2kDa (539aa)
AA Sequence	MGSSHHHHHH SSSLVPRGSH MLTPHYLTK HDVERLKASL DRPFTNLESA FYSIVGLSSL GAQVPDAKKA CTYIRSNLDP SNVDSLFFYAAQASQALSGCE ISISNETKDL LLAIVEDSS VTQIYHAVAA LSGFGLPLAS QEALSALTAR LSKEETVLAT VQALQTASHL SQQADLR SIVEEIEDLVARL DELGGVYLQF EEGLETTALF VAATYKLM DH VGTEPSIKED QVIQLMNAIF SKKNFESLSE AFSVASAAAV LSHNRYHVPVVVVPEGSASD THEQAILRLQ VTNVLSQPLT

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QATVKLEHAK SVASRATVLQ KTSFTPVGDV FELNFMNVKF SSGYYDFLVE
 VEGDNRYIANTVELRVKIST EVGITNVDLS TVDKDQSIAP KTTRVTYPAK
 AKGTFIADSH QNFALFFQLV DVNTGAELTP HQTFVRLHNQ
 KTGQEVVFAEPDNKNVYKF ELDTSERKIE FDSASGTYTL YLIIGDATLK
 NPILWNVADV VIKFPEEEAP STVLSQNLFT PKQEIQHFLR EPEKRPPTV

Purity >90% by SDS - PAGE

Applications SDS-PAGE

Storage Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

Concentration 1 mg/ml

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; ribophorin-2; dolichyl-diphosphooligosaccharide--protein glycosyltransferase 63 kDa subunit; RPN-II;

Gene ID [6185](#)

mRNA Refseq [NM_001135771](#)

Protein Refseq [NP_001129243](#)

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MIM	180490
UniProt ID	P04844
Chromosome Location	20q12-q13.1
Pathway	Asparagine N-linked glycosylation, organism-specific biosystem; Gene Expression, organism-specific biosystem; Metabolic pathways, organism-specific biosystem; Metabolism of proteins, organism-specific biosystem; N-Glycan biosynthesis, organism-specific biosystem; N-Glycan biosynthesis, conserved biosystem; Oligosaccharyltransferase, organism-specific biosystem;
Function	dolichyl-diphosphooligosaccharide-protein glycotransferase activity; contributes_to dolichyl-diphosphooligosaccharide-protein glycotransferase activity; transferase activity;

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