

Recombinant Human RPN1 Protein, Myc/DDK-tagged

Cat. No. RPN2-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant protein of human ribophorin II (RPN2), transcript variant 1 with a C-Myc/DDK tag was expressed in HEK293T.
Species	Human
Source	HEK293
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 Mass	67 kDa
AA Sequence	MAPPGSSTVFLLALTIIASTWALTPTHYLTKHDVERLKASLDRPFTNLESAFYISIVGLS SLGAQVPDAKKACTYIRSNLDPSNVDSLIFYAAQASQALSGCEISISNETKDLLLAASV EDSSVTQIYHAVAALSGFGLPLASQEALSALTARLSKEETVLATVQALQTASHLSQQ ADLRSIVEEIEDLVARLDELGGVYLQFEEGLETTALFVAATYKLMDHVGTEPSIKEDQ VIQLMNAIFSKKNFESLSEAFSVASAAVLSHNRYHVPVVVVPEGSASDTHEQAILRL QVTNVLSQPLTQATVKLEHAKSVASRATVLQKTSFTPVGDVFELNFMNVKFSSGYY DFLVEVEGDNRYIANTVELRVKISTEVGITNVDLSTVDKDQSIAPKTTRVTYPAAKAKGT

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FIADSHQNFALFFQLVDVNTGAELTPHQTFVRLHNQKTGQEVVFAEPDNKNVYKFE
LDTSEKIEFDSASGTYTLYLIIGDATLKNPILWNVADVVIKFPEEEAPSTVLSQNLFTP
KQEIQHLEFREPEKRPPTVVSNTFTALILSPLLLLALWIRIGANVSNFTFAPSTIIFHLGH
AAMLGLMYVYWTQLNMFQTLKYLAIGSVTFLAGNRMLAQQAQVKTATHTTRPLEQ
KLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

Storage Store at -80 centigrade.

Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

GENE INFORMATION

Gene Name RPN2 ribophorin II [Homo sapiens (human)]

Official Symbol RPN2 ribophorin II [Homo sapiens (human)]

Synonyms RPN2; ribophorin II; SWP1; RPNII; RIBIIR; RPN-II; dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 2; dolichyl-diphosphooligosaccharide--protein glycosyltransferase 63 kDa subunit; oligosaccharyltransferase complex subunit (non-catalytic); ribophorin-2; EC 2.4.99.18

Gene ID 6185

mRNA Refseq NM_002951

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Protein Refseq NP_002942

MIM 180490

UniProt ID P04844

SDS-PAGE



Coomassie blue staining of purified RPN2 protein. The protein was produced from HEK293T cells transfected with RPN2 cDNA clone using MegaTran 2.0.

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