

## Recombinant Human RPN1 Protein, Myc/DDK-tagged

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

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant protein of human ribophorin II (RPN2), transcript variant 1 with a C-Myc/DDK tag was expressed in HEK293T.                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>      | 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. |
| <b>Molecular Mass</b>   | 67 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>AA Sequence</b>      | MAPPGSSTVFLLALTIIASTWALTPTHYLTKHDVERLKASLDRPFTNLESAFYISIVGLS<br>SLGAQVPDAKKACTYIRSNLDPSNVDSLFFYAAQASQALSGCEISISNETKDLLLAASV<br>EDSSVTQIYHAVAALSGFGLPLASQEALSALTARLSKEETVLATVQALQTASHLSQQ<br>ADLRSIVEEIEDLVARLDELGGVYLQFEEGLETTALFVAATYKLMDHVGTEPSIKEDQ<br>VIQLMNAIFSKKNFESLSEAFSVASAAVLSHNRYHVPVVVVPEGSASDTHEQAILRL<br>QVTNVLSQPLTQATVKLEHAKSVASRATVLQKTSFTPVGDVFELNFMNVKFSSGYY<br>DFLVEVEGDNRYIANTVELRVKISTEVGITNVLDLSTVDKDQSIAPKTTRVTYPAAKAGT                                                                     |

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 45-1 Ramsey Road, Shirley, NY 11967, USA

FIADSHQNFALFFQLVDVNTGAELTPHQTFVRLHNQKTGQEVVFAEPDNKNVYKFE  
 LDTSEKIEFDSASGTYTLYLIIGDATLKNPILWNVADVVIKFPEEEAPSTVLSQNLFTP  
 KQEIQHLEFREPEKRPPTVVSNTFTALILSPLLLLALWIRIGANVSNTFAPSTIIFHLGH  
 AAMLGLMYVYWTQLNMFQTLKYLAILGSVTFLAGNRMLAQQAVKRTAHTRTRPLEQ  
 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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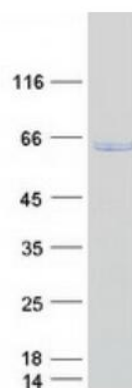
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**Protein Refseq** NP\_002942

**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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