

Product datasheet for **SC321630**

Ribophorin II (RPN2) (NM_002951) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ribophorin II (RPN2) (NM_002951) Human Untagged Clone
Tag:	Tag Free
Symbol:	Ribophorin II
Synonyms:	RIBIIR; RPN-II; RPNII; SWP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_002951.2
 CCGCGGCTGCTGGAAGCGTCGAAGCTCAGCGGGCCGCGGACACTGACCTGTGCTTAGAA
 CTCATCTGGCCCGCAGAGCCTGCCGCGAGTCCCTGGCGTCCCCTGTGGCGGGCTCTTGG
 AGCCACTTTCGAGCGGAAGTCAGCCCGCGGCTCGGACTCCGGCGGGACCTGCTCGGAG
 GAATGGCGCCGCCGGTTCAAGCACTGTCTTCTGTTGGCCCTGACAATCATAGCCAGCA
 CCTGGGCTCTGACGCCACTACTACCTACCAAGCATGACGTGGAGAGACTAAAAGCCT
 CGCTGGATCGCCCTTTCACAAATTTGGAATCTGCCTTCTACTCCATCGTGGGACTCAGCA
 GCCTTGGTGCTCAGGTGCCAGATGCAAAGAAAGCATGTACCTACATCAGATCTAACCTTG
 ATCCCAGCAATGTGGATTCCCTCTTCTACGCTGCCAGGCCAGCCAGGCCCTCTCAGGAT
 GTGAGATCTCTATTTCAAATGAGACCAAAGATCTGCTTCTGGCAGCTGTCAAGTGGAGCT
 CATCTGTTACCCAGATCTACCATGCAGTTGCAGCTCTAAGTGGCTTTGGCCTTCCCTTGG
 CATCCCAAGAAGCACTCAGTGCCCTTACTGCTCGTCTCAGCAAGGAGGAGACTGTGCTGG
 CAACAGTCCAGGCTCTGCAGACAGCATCCACCTGTCCAGCAGGCTGACCTGAGGAGCA
 TCGTGGAGGAGATTGAGGACCTTGTGCTCGCCTGGATGAACTCGGGGGCGTGTATCTCC
 AGTTTGAAGAAGGACTGGAACAACAGCGTTATTTGTGGTGCCACCTACAAGCTCATGG
 ATCATGTGGGACTGAGCCATCCATTAAGGAGGATCAGGTCATCCAGCTGATGAACGCGA
 TCTTCAGCAAGAAGAAGCTTTGAGTCCCTCTCCGAAGCCTTCAGCGTGGCCTCTGCAGCTG
 CTGTGCTCTCGCATAATCGCTACCACGTGCCAGTTGTGGTTGTGCCTGAGGGCTCTGCTT
 CCGACACTCATGAACAGGCTATCTTGCAGTTGCAAGTCACCAATGTTCTGTCTCAGCCTC
 TGACTCAGGCCACTGTTAAACTAGAACATGCTAAATCTGTTGCTCCAGAGCCACTGTCC
 TCCAGAAGACATCCTTCAACCCTGTAGGGGATGTTTTGAACTAAATTCATGAACGTCA
 AATTTCCAGTGGTTATTATGACTTCTTGTGCGAAGTTGAAGGTGACAACCGGTATATTG
 CAAATACCGTAGAGCTCAGAGTCAAGATCTCCACTGAAGTTGGCATCACAATGTTGATC
 TTTCCACCGTGGATAAGGATCAGAGCATTGCACCCAAAACCTACCCGGGTGACATACCCAG
 CCAAAGCCAAGGGCACATTCATCGCAGACAGCCACCAGAAGCTTCCCTTGTCTTCCAGC
 TGGTAGATGTGAACACTGGTGTGAACTCACTCCTCACCAGACATTTGTCGACTCCATA
 ACCAGAAGACTGGCCAGGAAGTGGTGTGTTGTTGCCGAGCCAGACAACAAGAAGCTGTACA
 AGTTTGAAGTGGATACCTCTGAAAGAAAGATTGAATTTGACTCTGCCTCTGGCACCTACA
 CTCTCTACTTAATCATTGGAGATGCCACTTTGAAGAACCAATCCTCTGGAATGTGGCTG
 ATGTGGTCATCAAGTCCCTGAGGAAGAAGCTCCCTCGACTGTCTGTCCAGAACCTTT
 TCACTCCAAAACAGGAAATTCAGCACCTGTTCCGCGAGCCTGAGAAGAGGCCCCACC
 TGGTGTCCAATACATTCCTGACCTGATCCTCTCGCCGTTGCTTCTGCTCTTCGCTCTGT
 GGATCCGGATTGGTGCCAATGTCTCCAACCTCACTTTTGTCTCCTAGCACGATTATATTT
 ACCTGGGACATGCTGCTATGCTGGGACTCATGTATGTCTACTGGACTCAGCTCAACATGT
 TCCAGACCTTGAAGTACCTGGCCATCTTGGGCAGTGTGACGTTTCTGGCTGGCAATCGGA
 TGCTGGCCAGCAGGCAGTCAAGAGAAGCAGCACATTAGTTCCAGAAGAAAGATGGAATTT
 CTGAAAAGTGAATGTCAAGAAAAGGAGTCAAGAACAAATTCACAGTATGAGAAGAAAAAAA
 AAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_002951

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_002951.2</u> , <u>NP_002942.2</u>
RefSeq Size:	2509 bp
RefSeq ORF:	1896 bp
Locus ID:	6185
UniProt ID:	<u>P04844</u>
Cytogenetics:	20q11.23
Protein Families:	Transmembrane
Protein Pathways:	Metabolic pathways, N-Glycan biosynthesis
Gene Summary:	<p>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. [provided by RefSeq, Oct 2008]</p> <p>Transcript Variant: This variant (1) encodes isoform 1.</p>