

Product datasheet for **SC118293**

Ribophorin I (RPN1) (NM_002950) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ribophorin I (RPN1) (NM_002950) Human Untagged Clone
Tag:	Tag Free
Symbol:	Ribophorin I
Synonyms:	OST1; RBPH1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC118293 sequence for NM_002950 edited (data generated by NextGen Sequencing)

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ATGGAGGCGCCAGCCGCCGGCTTGTCTGCTCCTGTTGCTTGGGACTTGGGCCCGGGC
CCGGGCAGCGCCTCCTCCGAGGCACCGCCGCTGATCAATGAGGACGTGAAGCGCACAGTG
GACCTAAGCAGCCACCTGGCTAAGGTGACGGCCGAGGTGGTCTGGCGCACCTGGGCGGC
GGCTCCACGTCCCAGACTACCTTTCTGCTGGCTTTGGAGCCTGAGCTCGAGGCCCGG
CTGGCGCACCTGGGCGTGCAGGTAAGGGAGAAGATGAGGAAGAGAACAATTTGGAAGTA
CGTGAAACCAAAATTAAGGGTAAAAGTGGGAGATTCTTCACAGTCAAGCTCCAGTTGCT
CTTGATCCTGGGGCCAAGATTTCACTCATTGTGAAACAGTCTACACCCATGTGCTTCAT
CCATATCCAACCCAGATCACCCAGTCAGAGAAACAGTTTGTGGTGTGGAGGGGAACCAT
TATTTCTACTCTCCATCCAACGAAGACACAAACCATGCGTGTGAAGCTTGCCTCTCGA
AATGTGGAGAGCTACACCAAGCTGGGGAACCCACGCGCTCTGAGGACCTACTGGATTAT
GGGCTTTTCCAGAGATGTGCTGCCTATAGTCAGGATACTTTAAAGTACATTATGAGAAC
AACAGCCCTTTCTGACCATCACCAGCATGACCCGAGTCATTGAAGTCTCTCACTGGGGT
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TTCTCACGCTATGATTACCAGAGACAGCCAGATAGTGGAATATCCTCCATCCGTTCTTTT
AAGACCATCCTTCTGCTGCTGCCAGGATGTTTATTACCGGGATGAGATTGGCAATGTT
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CCTCTCTTTGGCGGGTGGGAAGACCCATTACATCGTTGGCTACAACCTCCCAAGCTATGAG
TACCTCTATAAATTTGGGTGACAGTATGCACTGAAGATGAGGTTTGTGGACCATGTGTTT
GATGAACAAGTGATAGATTCTCTGACTGTGAAGATCATCCTGCCTGAAGGAGCCAAGAAC
ATTGAAATTGATAGTCCCTATGAAATCAGCCGTGCCCCAGATGAGCTGCACTACACCTAT
CTGGACACATTTGGCCGCCCTGTGATTGTTGCCTACAAGAAAAATCTGGTAGAACAGCAC
ATTCAGGACATTGTGGTCCACTACACGTTCAACAAGGTGCTCATGCTGCAGGAGCCCTG
CTGGTGGTGGCGCCTTCTACATCCTGTTCTTACCCTTATCATCTATGTTTCGGCTGGAC
TTCTCCATCACCAGGATCCAGCCGAGAAAGCCAGGATGAAGGTAGCCTGCATCACAGAG
CAGGTCTTGACCCTGGTCAACAAGAGAATAGGCCCTTACCCTGCACTTTGACGAGACCGTC
AATAGGTACAAGCAATCCCGGGACATCTCCACCCTCAACAGTGGCAAGAAGAGCCTGGAG
ACTGAAAACAAGGCTTGACCAGTGAGATTGCACTGCTGCAGTCCAGGCTGAAGACAGAG
GGCTCTGATCTGTGCGACAGAGTGAGCGAAATGCAGAAGCTGGATGCACAGGTCAAGGAG
CTGGTGTGAAGTCGGCGGTGGAGGCTGAGCGCCTGGTGGCTGGCAAGCTCAAGAAAGAC
ACGTACATTGAGAATGAGAAGCTCATCTCAGGAAAGCGCCAGGAGCTGGTACCAAGATC
GACCACATCCTGGATGCCCTGTAG

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Clone variation with respect to NM_002950.3
 423 g=>a;1567 c=>a

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_002950 unedited TGTAATACGACTCACTATAGGGCGGCCCGCAATCGGCACGAGGGCGCACTGCTCTTCCC GGTCATGGAGGCGCCAGCCCGCGCTTGTTCCTGCTCCTGTTGCTGGGACTTGGGCCCC GGCGCCGGGCAGCGCCTCCTCCGAGGCACCGCCGCTGATCAATGAGGACGTGAAGCGCAC AGTGGACCTAAGCAGCCACCTGGCTAAGGTGACGGCCGAGGTGGTCTGGCGCACCTGGG CGGCGGCTCCACGTCCCAGCTACCTCTTCTGCTGGCTTTGGAGCCTGAGCTCGAGGC CCGGCTGGCGCACCTGGGCGTGCAAGTAAGGGAGAAGATGAGGAAGAGAACAATTTGGA AGTACGTGAAACCAAAATTAAGGGTAAAAGTGGGAGATTCTTACAGTCAAGCTCCAGT TGCTCTTGATCCTGGGGCCAAGATTTTCAGTCATTGTGGAACAGTCTACCCCATGTGCT TCATCCATATCCAACCCAGATCACCCAGTCAGAGAAACAGTTTGTGGTGTGGAGGGAA CCATTATTTCTACTCTCCCTATCCAACGAAGACACAAACCATGCGTGTGAAGCTTGCCCTC TCGAAATGTGGAGAGCTACACCAAGCTGGGGAACCCACGCGCTCTGAGGACCTACTGGA TTATGGGCCTTTTCCAGAGATGTGCCTGCCTATAGTCAGGATACTTTTAAAGTACATTATGA GAACAACAGCCCTTTCTGACCATCACCAGCATGACCCGAGTCATTGAAGTCTCTCACTG GGGTAAATATGCTGTGGAAGAAAATGTGACTTAAAGCCACAGNAGCTGTGCTTAGGGGCC TTNCTCAGCTATGATACCAGAACAGCCAGAAGTGGATATCTNCCCTNCCGCTTTAGACAT CCTCCTGCTGTGNCCAGNAGTTATA
Restriction Sites:	NotI-NotI
ACCN:	NM_002950
Insert Size:	2250 bp
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).
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:	NM_002950.3 , NP_002941.1
RefSeq Size:	2372 bp
RefSeq ORF:	1824 bp
Locus ID:	6184
UniProt ID:	P04843
Cytogenetics:	3q21.3
Domains:	Ribophorin_I
Protein Families:	Transmembrane

Protein Pathways: Metabolic pathways, N-Glycan biosynthesis

Gene Summary: 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 forms part of the regulatory subunit of the 26S proteasome and may mediate binding of ubiquitin-like domains to this proteasome. [provided by RefSeq, Jul 2008]