

Product datasheet for **MC219644**

Rpn1 (NM_133933) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rpn1 (NM_133933) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rpn1
Synonyms:	AU018702; D6Wsu137e; Rpn-1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219644 representing NM_133933
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGTCGCGGTCGCCTTGCTGTTGCTGCTGCTATGTCTCGGGCCTTGCCCGACGCCGGCA
 GCGCCTCCTCGGAGGCTCCGCCGCTGGTCAACGAGGACGTGAAGCGCACGGTGGACCTGAGCAGCCACCT
 AGCCAAGGTGACGGCTGAGGTGGTCTGTGACACCCGGCGCGGCTCCACATCAGGAGCCAGCTCTTTC
 GTTCTGGCCCTGGAGCCAGAAGTGGAGTCGCGGCTTGCACCTAGGCGTGCAGATAAAGGGAGAAGATG
 AGGAAGACAACAACCTAGAAGTACGAGAAACAAAATTAAGGGAAAAGTGGGAGATTTTTCACGGTCAA
 GCTCCAGTTGCTCTTGATCCTGGGTCCAAGATCTCGGTCTGTGAAACTGTCTACCCCATGTGCTT
 CATCCGTATCCGACTCAGATAACTCAGTCAGAGAAACAGTTTCGTCGTGTTGAGGGCAACCATTATTTCT
 ACTCTCCCTATCCAACAAGACCCAGACCATGCGAGTAAACTGGCGTCCCGAAATGTGAAAGCTATAC
 CAAGCTGGGGAACCCCTCGAGATCTGAGGACGTCCTTGATTATGGCCTTTTAAAGACATCCCTGCCTAC
 AGTCAGGACACTTTCAAAGTACATTACGAGAACAATAGCCCTTTCCTGACCATCACCAGTATGACCCGGG
 TCATCGAGGTATCTACTGGGGCAATATTGCTGTGGAAGAGAACGTGGACTTGAAGCACAGGGCGCAGT
 GCTGAAGGGGCTTTCTCCCGCTACGATTACCAGAGGCAGCCTGACAGTGGGATCTCCTCCATTCGTTCT
 TTTAAGACCATCCTTCTGCTGCCGCCAGGATGTCTATTACCGGATGAGATTGGTAATGTTTCCACCA
 GCCACCTCCTTATCTGGATGACTCTGTGAAATGAAATCCGGCCTCGATTTCTCTCTTTGGAGGGTG
 GAAGACACACTACATCGTTGGTTACAACCTCCCAAGCTATGAATACCTCTATAATCTGGGTGACCAGTAT
 GCACTGAAGATGCGGTTTGTAGACCACGTGTTGATGAGCAAGTATAGATTCTGACAGTGAAGATCA
 TCTTGCCCGAGGGAGCCAAGAACATCCAGTGGACAGTCCCTACGATATCAGCCGGGCCAGACGAGCT
 GCATTATACCTACCTAGACACGTTCCGGCCCGCGGTGATTGTGGCTTACAAGAAGAATCTCGTCGAGCAA
 CACATTACAGGACATTGTGGTGCCTACACGTTCAACAAGTTCTCATGCTGCAGGAGCCGCTGCTGGTCTG
 TGGCCGCTTCTACATCCTGTTCTTACCGTCACTCATCTACGTCCTGACTTTTCCATCACCAAGGA
 TCCAGTGCAGAAGCCAGGATGAAAGTGGCCTGTATCACAGAGCAGGCTTAACCCTGGTCAACAAGAGG
 CTGGCCCTCTACCGTCACTTTGATGAGACTGTCAATAGATAACAAGCAGTCCCGGGATATCTACCTCA
 ACAGTGGCAAGAAGAGCCTAGAGACAGAGCACAAGGCTGTGACCAGCGAGATTGCTGTACTGCAGTCTCG
 GCTGAAGACGGAGGGCTCAGACCTGTGTGACAGGGTGTGAGTGCAGAAGCTGGACGCCAGGTCAGG
 GAGCTGGTCTGAAGTCGGCGTGAAGCAGAGAGGCTGGTGGCTGGCAAGCTCAAGAAGGATACGTACC
 TGGAAAACGAGAAGCTCAGCTCAGGAAAACGCCAGGAGCTGGTACCAAGATCGACCACATCCTGGATGC
 TCTGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_133933

Insert Size: 1827 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:

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_133933.4](#), [NP_598694.3](#)

RefSeq Size: 3642 bp

RefSeq ORF: 1827 bp

Locus ID: 103963

UniProt ID: [Q91YQ5](#)

Cytogenetics: 6 39.13 cM

Gene Summary: Subunit of the oligosaccharyl transferase (OST) complex that catalyzes the initial transfer of a defined glycan (Glc(3)Man(9)GlcNAc(2) in eukaryotes) from the lipid carrier dolichol-pyrophosphate to an asparagine residue within an Asn-X-Ser/Thr consensus motif in nascent polypeptide chains, the first step in protein N-glycosylation. N-glycosylation occurs cotranslationally and the complex associates with the Sec61 complex at the channel-forming translocon complex that mediates protein translocation across the endoplasmic reticulum (ER). All subunits are required for a maximal enzyme activity.[UniProtKB/Swiss-Prot Function]