

Product datasheet for MC210881

Sec62 (NM_027016) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sec62 (NM_027016) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sec62
Synonyms:	3100002M17Rik; AI844545; AW545092; Dtrp1; HTP1; Tloc1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC210881 representing NM_027016 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGGCGGAACGCAGGCGACACAAGAAGCGGATCCAGGAAGTTGGTGAACCATCTAAAGAAGAGAAGGCTG
 TAGCCAAATATCTTCGATTCAACTGTCCAACAAATCCACCAACATGATGGGTATCGGGTTGACTATTT
 TATTGCTTCAAAGCAGTGGAGTGCCTCTTGGATTCAAAGTGGGCCAAGGCCAAGAAAGGAGAGGACGCT
 TTATTTACAACCGGGAGTCTGTGGTCGACTACTGCAACAGGCTTTTAAAGAAACAGTTTTTCCATCGGG
 CCCTAAAAGTAATGAAAATGAAATATGATAAAGACGTAAAAAAGAAAAAGATAAAGGGAAATCAGAAAG
 TGGGAAAAGAGATGATAAAAGAGCAAGAAAGAAAGTGTTAAAGAAGAAAAACAAAAAGGAAAAAGAA
 AAAAAGAAAGATGGTGAAGGAAGATTCCAAAAAGGAGGAACTCCAGGAACTCCAAAAAGAAAGGAAA
 CTAAGAAAAAATCAAACCTTGAGCCACATGATGATCAAGTTTTCTGGATGGAAATGAGGTTTTTGTGTG
 GATCTATGACCCAGTTCACATTAACATTTGTCATGGGATTAATTCTTGTGATTGCAGTAATAGCAGCC
 ACCCTCTTCCCTCTCGGCCAGCAGAAATGAGAGTAGGTGTTATTACCTCAGTGTGGGCGCAGGCTGTT
 TTGTAGCCAGCATTCTTCTCCTTGCTATTGCTCGCTGCATCCTGTTTCTCATCATCTGGCTGATAACTGG
 AGGAAGGCACCACTTTTGGTTCCTGCCAACCTGACTGCTGACGTGGGCTTCATTGACTCCTTCAGGCCC
 CTGTACACACATGAGTACAAAGGACCAAAAGCAGACTTAAAGAAGGATGAGAAATCTGAAACCAAAAAGC
 AGCAGAAAGTCCGACAGTGAAGAAAAGTCAGACAGTGAGAAAAAGGAGGATGAGGAAGGAAAGGAGCTCC
 GGCAGACCATGGACCAGAAGGCTCGGGCGGAGAGCGGCACTCAGACACGGACAGTGACAGCGGGGAAGAC
 GACCGCTCGAACACAGTAGCGGGAACGGGAATGATTTTGAAATGATCACGAAGGAGGAGCTGGAGCAGC
 AGACAGATGGGGATTGTGATGAGGAGGATGACGACAAAGATGGAGAGGTGCCTAAATCTGCACATGAGAA
 ATCAT**AA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_027016
Insert Size:	1197 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_027016.2, NP_081292.1</u>
RefSeq Size:	3966 bp
RefSeq ORF:	1197 bp
Locus ID:	69276
UniProt ID:	<u>Q8BU14</u>
Cytogenetics:	3 A3
Gene Summary:	Mediates post-translational transport of precursor polypeptides across endoplasmic reticulum (ER). Proposed to act as a targeting receptor for small presecretory proteins containing short and apolar signal peptides. Targets and properly positions newly synthesized presecretory proteins into the SEC61 channel-forming translocon complex, triggering channel opening for polypeptide translocation to the ER lumen.[UniProtKB/Swiss-Prot Function]