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Product datasheet for MC223371

Sec16b (NM_033354) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sec16b (NM_033354) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sec16b
Synonyms:	Lztr2; Rgpr; Rgpr-p117
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>MC223371 representing NM_033354
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAACCTTGGGTTCCCCAGACACAAGGAAGGACCACGGGACCATCAAGGGATACAAATAGAGGACTTC
AGAGTGGACATTATAGACCCCGTCTGCATTCTCAGTACAGTGGAGATAAGTACCACCAATGGCAAGATGC
CCACAAGAACTCAAAGTCACAGCAGGACCTCAGGGATGACCACCAACAGTCTCACTCTGTATCCAGGAGT
GGGGAGTGGTCCCAGCCTGTGTCTGGTGCTGACTACTTGAAAGGATCTTATCCCAGTCACCTGTACTCAA
GGTCAGGCTATGGGGACCCCTATCAGAGGTACCACACTCCGACACCGAGGGATGAGTATGCTTATGGAAA
TTACTACTACCACGGACATCCACAGCTGCTGCCGGAAGAAAGAGTGGCAAGGCAAGGGAGTCCTTATATC
TGGCATGAAGATCATGGAGACCAGAGGTACTTCGGCGAGCATCATCGGGAGAAGCACAATGGTACATTTG
GAGCAAACAGTGATACCCAGTTCCAATTTACCAGTAAGAATCCATACCGAGACAGCCCTGCTTCTGTGTC
TGGACAGGAACAGCCTGGGGAATTCTTTCCAGAGAGTGAAGCCCAGAAACAAAAGCCATTGCTGACCAGC
AAATCCAGCCTTCTCCAGCAGCACGAGTCTGGGCTCAGCTCTAGTAGCTACGAGCTCAGTCAGTACATGA
CAGCTGCCCCCGAGGAGTATGAACCTATGGTGTCAGCAGCTTGGAGGCCTATTCAGGCTGATGACACCTC
AGCGACAGTTCCAAAGGCACCTATGAGGTTCTATGTTCCCCATGTGTCTGTGAGCTTTGGGCCAGGAGGC
CAGCTAGTGTGTGTCCCCCCCAACTCTCCTGCTGATGGACAAACGGCCCTCGTTGAAGTGCACAGCATGG
AGGTTTTACTTAATGATTTTGAGGATCAGGAGGAGATGAGAGCTTTCCCAGGGCCCCTTATTAGGGAGGA
CATACACAAGGTGGATATCATGACGTTTTGTCAGCAGAAAGCAACGCAGTGTCTCAAATCTGAGACACCA
GGGAGCAGAGACTCAGCTCTACTTTGGCAACTGCTGGTTCTCCTTTGTCGACAGAATGGGTCCATGGTGG
GATCTGACATTGCTGAGCTGCTGATGCAGGACTGCAAGAAGCTGGAGAAGTACAAGAGGCAGCCCCCTGT
AGCCAACCTCATCAACCTGACTGACGAGGACTGGCCGGTACTGAGCTCTGGGACTCGTGATCTCCTCACT
GGGGAGATTCCCCCCAATGTGGATACGCCAGCGCAGATCGTGGAGAAATTCACCAAGCTGCTCTACTACG
GAAGGAAGAAGGAGGCTTTGGAGTGGGCTATGAAGAACCACTTGTGGGGACATGCCTTGTTCCTAGCCAG
TAAGATGGACCCAAGGACCTACAACTGGGTCATGAGTGGTTTCACCAGTACGCTGGCGCTCAATGACCCT

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CTGCAGACCCTCTTCCAGCTCATGTCAGGAAGGATTCCACAAGCAGCCACGGTTTGTGGAGACAAACAGT
GGGGAGACTGGCGGCCCCACTTGGCTGTGATCCTGTCAAATCAGGCTGGAGATACAGAGTTGTACCAGCG
AGCGATTGTCAGCATGGGGGATACCCTGGCTGGAAAAGGGCTTGTGGAGGCATCTCACTTCTGCTATCTC
ATGGCTCATGTGCCCTTTGGTCACTATACGGTGAAGACAGATCATCTGGCCTTGGTGGGCAGTAGCCACA
GTCAAGAGTTTATGAAATTTGCAACAATTGAGGCTATCCAGCGGACGGAAATCTTCGAGTACTGCCAGAT
GCTGGGCCGCCCCAAATCCTTCATCCCTTCTTTCCAGGTGTATAAGCTCCTCTATGCCTCCCGTCTGGCA
GATTATGGCCTGGCATCCCAGGCCTTGCATTACTGTGAAGCCATTGGTGCAGCTGTCTTGAGCCAGGAAG
GGAGCAGCCACCCTGTGCTATTAGCGGAGCTCATCAAGCTCGCAGAGAAACTGAAGCTGTCAGATCCTCT
GGTTTTAGAAAGACGCCGTGGGGACAGGGACCTGGAACCAGATTGGCTTGTGCAACTGCGGAGGAAGCAC
AAGGACCTGGAGCAAAATAGAACAGGAGCCCCGAGAGATCCTGATTCGACTCCTTCAGATATTTATGGAG
CTGGAGGAACAACAGACACTCCCTACCCTGATCTCTCTGGCCATCAAAACTACTCAGAAGACTCTGAGTA
CAGCTCCACCTTGTGGTCAACAGCAGAGCAGACAAGCCTGACCAATCCCCTCGCACAGCAGTCTTTCCCC
CTGCAGCGAGATACCTATTCAGGACACATGGGAACCCCAGTGCCTCTCTACTCAGTTCCTGCAACCCACT
TGGCAGTGACGAGTGGAGCCAGTGGTAGCAGTGTGGCAGTGACGGGGACTCCTGGGGGAAGGGTTGGAGA
GGATATGCTGCGGACACATCCTGCCTTTGGAGAGAACACAATGACTCAAGAACCCCTGGAAGATCCTGAT
GGTCTCGAAGTCATTTCCAGTCTTCAGACACCAGCGGCTCCCAGGGTTCCAAGTTTTTCTGAGGATTCTG
CTGCTTCAGCCAAGGAGGATGAGGAGGGGTCTTCTGATGGAGCAGACAAACCATCTCACCCCGATGCTTC
ACAGAAAGGAAAGCTGGGAGATGGGAAGAATACAAAGAGCTCGGGATTCGGCTGGTTCAGCTGGTTTCGA
TCAAAGCCTGCCAGCAGTGTGTCCACCTCTGGAGATGAAGACTCCTCGGACAGTTCTGACTCAGAGGAGT
CTCCCAGAGCATCTTCTCCTCACCATGCGAGCCCAGGCCTCTCACCAACACCTCCTCTCACATCCCCATC
CCTGCCAGGTGCCAGCACCTTCTCGAGAGGCACAGGTGGGAGTATTCTCCAAGGATCCTCAAACAGTAGT
GGAATCGCTGAAGGCATGGGGATTGGAGGGTTCTCGGGGACACAGGGTGTTTCTTCTGAGTTCTACTCCC
AGCCTGGTGCCCTGCCTCCTCCGCCTACCTTGCAAGGTGCTGTTCCTCTCTACAATCCATCTCAGGTCCC
TCAGCTTCCCACTGCTAGTAGCCTGAACCGGCCAAACCGCCTAGCCCAGCGCCGCTACCCAACCCAGCCA
TGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_033354

Insert Size: 3156 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:	NM_033354.3, NP_203505.3
RefSeq Size:	4611 bp
RefSeq ORF:	3156 bp
Locus ID:	89867
UniProt ID:	Q91XT4
Cytogenetics:	1 H1
Gene Summary:	Plays a role in the organization of the endoplasmic reticulum exit sites (ERES), also known as transitional endoplasmic reticulum (tER). Required for secretory cargo traffic from the endoplasmic reticulum to the Golgi apparatus. Involved in peroxisome biogenesis. Regulates the transport of peroxisomal biogenesis factors PEX3 and PEX16 from the ER to peroxisomes. [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longest transcript. Variants 1 and 2 both encode the same protein.