

Product datasheet for **SC305567**

LZTR2 (SEC16B) (NM_033127) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LZTR2 (SEC16B) (NM_033127) Human Untagged Clone
Tag:	Tag Free
Symbol:	LZTR2
Synonyms:	LZTR2; PGPR-p117; RGPR; RGPR-p117; SEC16S
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC305567 representing NM_033127. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGCC**
ATGGAACCTTTGGGCTCCCCAGAGGCTGCCCCAGACACGAGGGAAGGCCACAGCACCCCTCAAAGGATCCA
GACCGAGGGTTTCGGAGAGATGGACATCATCGGCCTGTCCCTCACTCTTGGCACAATGGAGAGAGTTT
CACCAATGGCAAGACAACCGTGGGAGCCCCAGCCACAGCAGGAGCCAGGGCAGACCATCAGCAGCAG
CCCCATTATGCATCCAGGCCAGGGGACTGGCATCAGCCTGTGTCTGGAGTTGACTATTACGAAGGTGGT
TATCGCAATCAGTTGTATTCAAGGCCAGGTTATGAGAATTCATATCAGAGCTATCAGTCTCCACAATG
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CCAAGGCAACGGAGTCCCTATATCTGGCACGAAGATTACCGAGAGCAAAAGTACCTTGATGAACATCAT
TATGAAAACCCAGCACAGTCCATTTGGAACAAATAGTGAGACCCACTTCCAATCTAACAGTAGGAACCCCT
TGTAAGACAGCCCTGCTTCCAACCTCTGGACAGGAGTGGCCGGGGGAGCTGTTTCCAGGGAGCCTGCTT
GCTGAGGCCAGAAAAATAAGCCATCATTGGCTAGTGAGTCCAACCTTCTCCAGCAGCGTGAGTCTGGT
CTCAGCTCCAGCAGCTATGAGCTCAGTCAGTACATCAGAGATGCCCCGGAGCGGGATGATCCCCAGCT
TCAGCAGCTTGGAGTCCAGTTCAGGCTGATGTCTCCTCAGCTGGTCCAAAGCACCCATGAAGTTCTAC
ATCCCTCATGTTCTGTGAGTTTCGGGCCAGGAGGTCAGCTGGTGCATGTAGGTCCCAGCTCTCCCACT
GACGGGCAAGCAGCCCTTGTTGAACTGCACAGCATGGAGGTTATTCTTAATGATTCCGAAGAGCAAGAG
GAGATGAGAAGTTTCTCAGGACCCCTTGATTAGGGAAGATGTACATAAGGTGGATATTATGACGTTTTGC
CAGCAGAAAGCAGCTCAGAGCTGCAATCTGAGACACTGGGGAGCAGAGACTCAGCTCTACTGTGGCAG
CTTTGTTCTCCTTTGTGCGCCAGAATGGGTCCATGGTGGGTCTGACATCGCTGAGCTGCTAATGCAA
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GACTGGCCAGTGCTGAGCTCTGGGACCCGAACCTGCTCACGGGAGAGATCCCCCAGTGTGGAGACA
CCTGCGCAGATCGTGGAGAAATTAAGTGGCTGCTCTACTATGGAAGGAAGAAGGAGCCTTGGAGTGG
GCCATGAAGAACCCTTGTGGGGCCATGCTTTGTTCTGTCCAGCAAGATGGACCCACAGACCTACAGC
TGGGTCATGAGTGGCTTACCAGCACGCTGGCGCTCAATGACCCACTGCAGACCTCTTCCAGCTCATG



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TCGGGGAGGATTCCACAGGCAGCCACGTGTTGTGGAGAAAAGCAGTGGGGAGACTGGAGGCCTCACTTG
 GCTGTGATTCTGTGCAATCAGGCTGGGGACCCAGAGCTGTATCAGCGTGCATTGTTGCCATTGGGGAC
 ACCCTGGCTGGGAAGGGGCTTGTGGAGGCAGCTCACTTCTGCTATCTCATGGCTCACGTGCCCTTTGGC
 CACTACACCGTGAAGACAGACCCTCTGGTCTTGTGGCAGCAGCCACAGTCAAGAGTTTTTGAAATTT
 GCAACAACAGGCAATCCAGAGGACGGAATCTTCGAGTACTGTCAGATGCTGGGCCGCCCAATCC
 TTCATCCCTTCTTCCAGGTGTATAAGCTCCTTTATGCTTCCCGTCTGGCAGATTATGGCCTCGTGTC
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 GGAGACATTGGGGATCCTCATCTACTCGCTCAGATATTCGGGAGCCGGAGGAACAACAAGAAAAAC
 ACTTTCTACCAGGACTTTTCTGGATGTCAAGGCTACTCTGAAGCCCTGGGTACCGCTCAGCTCTGTGG
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 TACCCAGCAGGAGGGGTGCAGGGCAGACAGGGACACCGAGGCCCTTTTACTCAGTTCCTGAGACCCAT
 CTACCAGGACTGGCAGCAGCTGGCAGTGACAGAGGCCACTGGAGGAACAGTCTGGGAGGAAATGCTG
 CAGACACACCTGGGCCCTGGAGAGAACACAGTGTCTCAAGAACTTCCAGCCTCCTGATGGCCAAGAG
 GTCATTTCCAAACCACAGACACCATTTGGCTGCTAGACCACGAAGTATTTCTGAGAGTTCCGCCAGTTCA
 GCCAAGGAGGATGAGAAGGAGTCTCTGATGAGGCTGATAAACTCTCCCCGAAATACTGCCAGAGA
 GGCAAGCTCGGAGATGGGAAGGAGCATACAAAGAGCTCAGGGTTTGGCTGGTTCAGCTGGTTTCGATCG
 AAGCCCAACAAGACGCATCCCCGCTGGAGACGAGGACTCCTCAGACAGCCCTGACTCTGAGGAGACC
 CCCAGAGCATCTTCTCCCCACGAGCTGGCCTGGGCTCTCACTGACACCTTCCCTGAGTCCCCACCT
 CTGCCGGATGTTAGTGCTTCTCCAGGGCAGAGGTGGGGTGAAGGCCGAGGATCCGCATCCAGCGGG
 GGAGCAGCTGCGGGCGCTGGGGTTGGAGGCTTGTCTGGACCAGAGAGTGTTCCTTTGAGCTCTGCTCC
 AACCTGGTGTCTTCTCTCCACCTGCCTTAAAGGGGCTGTCTCTTTACAACCCATCTCAGGTG
 CCTCAGCTGCCACGGCCACTAGCCTGAATCGGCCAAATCGCCTAGCTCAGCGTCGCTATCCCACCCAG
 CCATGCTGA
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	Sgfl-MluI
ACCN:	NM_033127
Insert Size:	3183 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).
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:

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_033127.1](#)

RefSeq Size: 4024 bp

RefSeq ORF: 3183 bp

Locus ID: 89866

UniProt ID: [Q96JE7](#)

Cytogenetics: 1q25.2

MW: 116.6 kDa

Gene Summary: SEC16B is a mammalian homolog of *S. cerevisiae* Sec16 that is required for organization of transitional endoplasmic reticulum (ER) sites and protein export (Bhattacharyya and Glick, 2007 [PubMed 17192411]).[supplied by OMIM, Jun 2009]