

Product datasheet for **SC118190**

SSR2 (NM_003145) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SSR2 (NM_003145) Human Untagged Clone
Tag:	Tag Free
Symbol:	SSR2
Synonyms:	HSD25; TLAP; TRAP-BETA; TRAPB
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC118190 sequence for NM_003145 edited (data generated by NextGen Sequencing)

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ATGAGGCTGCTGTCATTTGTGGTGTGGCTCTATTTGCTGCTCAAGCAGAGGAAGGA
GCCAGGCTTTTGGCTTCCAATCACTGCTGAACAGATACGCCGTGGAGGGACGAGACCTG
ACCTTGCAGTACAACATCTACAATGTTGGCTCAAGTGCTGCATTAGACGTGGAACATCT
GATGATTCCTTCCCTCCAGAAGACTTTGGCATTGTGTCTGGAATGCTCAATGTCAAATGG
GACCGGATTGCCCTGCTAGCAATGTCTCCCACTGTGGTCCTGCGCCCTCTCAAGGCT
GGTTATTTCAACTTCACCTCGGCAACAATTACTTACCTGGCCCAGGAGGATGGGCCCGTT
GTGATTGGCTCTACCAGTGCACCTGGACAGGGAGGAATCCTGGCTCAGCGGGAGTTTGAC
AGGCGATTCTCCCTCATTTTCTGGACTGGGCAGCCTTTGGGGTCATGACCCTTCCCTCC
ATCGGCATCCCCCTGCTATTGTGGTACTCCAGCAAGAGGAAATATGACTCTCCAAAACG
AAGAAGAACTGA
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Clone variation with respect to NM_003145.3



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_003145 unedited GATGCCACACGATGAGGCTGCTGCATTTGGTGTGGCTCTATTTGCTGCTCACTCAAG CAGAGGAAGGAGCCAGGCTTTTGGCTTCCAATCACTGCTGAACAGATACGCCGTGGAGG GACGAGACCTGACCTTGCAGTACAACATCTACAATGTTGGCTCAAGTGTGCATTAGACG TGGAACTATCTGATGATTCCTCCCTCCAGAAGACTTTGGCATTGTGTCTGGAATGCTCA ATGTCAAATGGGACCGGATTGCCCTGTAGCAATGTCTCCACACTGTGGTCTGCGCC CTCTCAAGGCTGGTTATTTCAACTTCACCTCGGCAACAATTACTTACCTGGCCCAGGAGG ATGGGCCCGTTGTGATTGGCTCTACCAGTGCACCTGGACAGGGAGGAATCCTGGCTCAGC GGGAGTTTGACAGGCGATTCTCCCTCATTTTCTGGACTGGGCAGCCTTTGGGGTCATGA CCCTTCCCTCCATCGGCATCCCCCTGCTATTGTGGTACTCCAGCAAGAGGAAATATGACA CTCCAAAACGAAGAAGAACTGATTGGGGCTTCCACAGCCCTCTCTTCCAANAATCCA GGCTCCTCTCCAAAGAAATCCANGTGCTTCCAGACTCCAAAGGGTATCTTAAATGCAAT CTCTTCTCTTANCCCTGGCCACTTCTCTGGATCCTGNCCTGCTTTCANCCATAGT GNANGACCANCCCTAAGAAGTCTGCGANANCCTNCTTGGNTNCATCGGGAAACCATAAA CAGGAATGNCCTTTGGCAATAGCCTTGAACCTAAAAGGGNCCCTTTGANGCCCCACTGG AGNGCTGTTGGTTATTGCTGGCAACCTGAAAT
Restriction Sites:	NotI-NotI
ACCN:	NM_003145
Insert Size:	1170 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_003145.2 , NP_003136.1
RefSeq Size:	1093 bp
RefSeq ORF:	552 bp
Locus ID:	6746
UniProt ID:	P43308
Cytogenetics:	1q22
Protein Families:	Druggable Genome, Transmembrane

Gene Summary:

The signal sequence receptor (SSR) is a glycosylated endoplasmic reticulum (ER) membrane receptor associated with protein translocation across the ER membrane. The SSR consists of 2 subunits, a 34-kD glycoprotein (alpha-SSR or SSR1) and a 22-kD glycoprotein (beta-SSR or SSR2). The human beta-signal sequence receptor gene (SSR2) maps to chromosome bands 1q21-q23. [provided by RefSeq, Jul 2008]