

Product datasheet for **SC115724**

SSR3 (NM_007107) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SSR3 (NM_007107) Human Untagged Clone
Tag:	Tag Free
Symbol:	SSR3
Synonyms:	TRAPG
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC115724 sequence for NM_007107 edited (data generated by NextGen Sequencing) ATGGCTCCTAAAGGCAGCTCCAACAGCAGTCTGAGGAGGACCTGCTCCTGCAGGATTTTC AGCCGCAATCTCTCGGCCAAGTCTCCGCGCTCTTCTTCGAAACGCGTTCATCGTGTCT GCCATCCCATCTGGTTATACTGGCGAATATGGCATATGGATCTTATTAGTCTGCTGTT TTGTATAGTGTGATGACCCTAGTAAGCACATATTTGGTAGCCTTTGCATACAAGAATGTG AAATTTGTTCTCAAGCACAAAGTAGCACAGAAGAGGGAGGATGCTGTTTCCAAAGAAGTG ACTCGAAAACCTTCTGAAGCTGATAATAGAAAGATGTCTCGGAAGGAGAAAGATGAAAGA ATCTTGTTGGAAGAAGAATGAAGTTGCTGATTATGAAGCTACAACATTTTCCATCTTCTAT AACAACACTCTGTTCTGGTCGTGGTCATTGTTGCTTCCTTCTTCATATTGAAGAAGTTC AACCCACAGTGAACACATATTGTCCATAAGTGCTTCATCAGGACTCATCGCCCTCCTG TCTACTGGCTCCAAATAG Clone variation with respect to NM_007107.3



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_007107 unedited <pre> GTTTTAGGATTTTGTAAATCCGACTTCACTATANNGGCGGCCGCGCAATTCGGCACGAGGG CCATGGCTCCTAAGGCAGCTCCAAACAGCAGTCTGAGGAGGACCTGCTCCTGCAGGATTT CAGCCGCAATCTCTCGGCCAAGTCTCCGCGCTCTTCTTCGGAACGCGTTCATCGTGTC TGCCATCCCCATCTGGTTATACTGGCGAATATGGCATATGGATCTTATTCAGTCTGCTGT TTTGATAGTGTGATGACCCTAGTAAGCACATATTTGGTAGCCTTTCATACAAGAATGT GAAATTTGTTCTCAAGCACAAAGTAGCACAGAAGAGGGAGGATGCTGTTTCCAAAGAAGT GACTCGAAAACTTTCTGAAGCTGATAATAGAAAGATGTCTCGGAAGGAGAAAGATGAAAG AATCTTGTTGGAAGAAGAATGAAGTTGCTGATTATGAAGCTACAACATTTTCCATCTTCTA TAACAACACTCTGTTCTGGTCGTGGTCATTGTTGCTTCTTCTCATATTGAAGAACTT CAACCCACAGTGAACATACATATTGTCCATAAGTGCTTCATCAGGACTCATCGCCCTCT GTCTACTGGCTCCAAATAGACCATGTGAGCTTCAACCCCTGGCTTTGTGTCTATGGGTGG CCTGTGGTATATGAAAAAGTAGCAGGGTGGTCAGGGTGGGAGACACCAGAATGTTTTTA TAGTCTAGAGCCTTTAANAAACCCAGCAGAATGTAATTTCAGTATTTGGTTAATGGNCTGT TTTTTTGACAGATTGNTGAAATTAATGAATTTGAAAGGAAACTCAGAGTCTTNAGGA CGTTTATTANAAGGAAAAAATGTCTTGAATGTGCTGTATCACAAGAGGAGAAATNNAC TGNTCCCTGATCTGTGAGAGTCCAGTACCTGGCCAGCTGTATATTATATA </pre>
3' Read Nucleotide Sequence:	>OriGene 3' read for NM_007107 unedited <pre> CCCCNNNNCCCCCCCCCCCCNNNNNNNNNNCCCCNNNNCCCCNNNNNNNGTTTTT ACTNTGTTCCGCGGCCCGCATTCTAGGATCGAGTTTTTTTTTTTTTTTTTTTGTGTC ATAAACAAATGCATTTATTTGATACACAAATCCATGCCACCAGCCAAACTATGGTCTGG CTTTTTTTTTTAACCAACAGTAAAGAAACTTTTTGGGTTTTTTTGTCTTTTTTGTGAG TGGAGTCTCACCTTGCCACCCAGGCAGTAGTAGCACGATCTTGACTCACCGCAACCTCT GCCTCCTGGGTTTCAGGCAGTTCTCCTGCTTCAGCTCCCAAGTAGCTGAGATTACAGGCG CCCACCATCACGCTGGCTAATTTTGGTATTTTAGTAGAGACGGGGCTCCACCATGTTG GCCAGGAGTTCAAGAAAAGTTTTTAAAAATAATAAACCTCTAAAGTGTTACCTAACTG TACCTTACAGTGATATGTGACTTCTCTAGTCACTCCACATTATCCAGTGATGGCACCTAG ATAATAATGCACCAAGAAAAAGTAAAGAAATGCAGACTTCTAGAAGCAATGATGAAATAT AATCTCAGTTGCAGAAAATGATGATCTGGGTCATTATGCAAAATGCATTCTGCTGCTT TTCTTCCAAGCTCTTGATGGAGCCAAACATCCGATAGCATGGAAGTGAAGTTAAACT CCCGATGAATAATTTTTATAAATTATAAAGAAACACTTACACCATGTATGAAATTTCCCA TTAAATTAAGAACGGATAGTAAAGATAGGACTATTTCCCTTGGGGTGCCCGTTGAAGAA AATACGGAAGACACTGGCATCCCTGGGATTTCAAACCTTTAGCCGAAATGCTAAAAACT TTCCAAATTTTTTAAGCCATGGATACACCAAAATGAAAT </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_007107
Insert Size:	2500 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:	<u>NM_007107.2, NP_009038.1</u>
RefSeq Size:	3067 bp
RefSeq ORF:	558 bp
Locus ID:	6747
UniProt ID:	<u>Q9UNL2</u>
Cytogenetics:	3q25.31
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 is comprised of four membrane proteins/subunits: alpha, beta, gamma, and delta. The first two are glycosylated subunits and the latter two are non-glycosylated subunits. This gene encodes the gamma subunit, which is predicted to span the membrane four times. [provided by RefSeq, Aug 2010] Transcript Variant: This variant (2) uses an alternate in-frame splice site in the central coding region compared to variant 1. It encodes isoform 2 which is shorter compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.