

Product datasheet for SC116187

Signal sequence receptor delta (SSR4) (NM_006280) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Signal sequence receptor delta (SSR4) (NM_006280) Human Untagged Clone
Tag:	Tag Free
Symbol:	Signal sequence receptor delta
Synonyms:	CDG1Y; TRAPD
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_006280 edited
 ATGGCGCGCATGGCATCTCTCGGCGCCCTGGCGCTGCTCCTGTCCAGCCTCTCCCGC
 TGCTCAGCCGAGGCTGCCTGGAGCCCCAGATCACCCCTTCTACTACACCACTTCTGAC
 GCTGTCATTTCCACTGAGACCGTCTTCATTGTGGAGATCTCCCTGACATGCAAGAACAGG
 GTCCAGAACATGGCTCTCTATGCTGACGTCGGTGGAAAAACAATCCCTGTCACTCGAGGC
 CAGGATGTGGGCGTTATCAGGTGCTCCTGGAGCCTGGACCACAAGAGCGCCACGCAGGC
 ACCTATGAGGTTAGATTCTTCGACGAGGAGTCTACAGCCTCCTCAGGAAGGCTCAGAGG
 AATAACGAGGACATTTCCATCATCCCGCCTCTGTTTACAGTCAGCGTGGACCATCGGGGC
 ACTTGGAACGGGCCCTGGGTGTCCACTGAGGTGCTGGCTGCGGCGATCGGCCTTGTGATC
 TACTACTGGCCTTCAGTGCGAAGAGCCACATCCAGGCCTGA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_006280 unedited
 TTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGTTTTCTTTTCCTC
 TAGGCAGAGAAGAGGCGATGGCGCGATGGCATCTCTCGGCGCCCTGGCGCTGCTCCTGC
 TGTCCAGCCTCTCCCGCTGCTCAGCCGAGGCTGCCTGGAGCCCCAGATCACCCCTTCT
 ACTACACCACTTCTGACGCTGTCAATTTCCACTGAGACCGTCTTCATTGTGGAGATCTCC
 TGACATGCAAGAACAGGGTCCAGAACATGGCTCTCTATGCTGACGTCGGTGGAAAAACA
 TCCTGTCACTCGAGGCCAGGATGTGGGCGTTATCAGGTGCTCCTGGAGCCTGGACCACA
 AGAGCGCCACGCAGGCACCTATGAGGTTAGATTCTTCGACGAGGAGCTTACAGCCTCC
 TCAGGAAGGCTCAGAGGAATAACGAGGACATTTCCATCATCCCGCCTCTGTTTACAGTCA
 GCGTGGACCATCGGGCACTTGGAACGGGCCCTGGGTGTCCACTGAGGTGCTGGCTGCGG
 CGATCGGCCTTGTGATCTACTACTTGGCCTTCAGTGCGAAGAGCCACATCCAGGCCTGAG
 GGGCGCACCCAGCCCTGCCCTTGTCTTCAATAAACATCACAGGACCTGGGACTGCA
 CAGGACAAAAAAAAAAAAAAAAAAAAAAAACTCGACTTAGATTGCGGCCGCGGTCATA
 GCTGTTTCTGAAACAGATCCCGGNTGGCATCCCTGTGACCCTCCCCAGTGCCTCTCCTG
 GCCCTGGAAGTTGCCACTCCAGTGCCCACCAGCCTTGTCTAAAAAATTAAGTGCATCAT
 TTTGCTGACTAGGTGGTCTCTATATATATGGGTGAGGGGGGGGN



[View online >](#)

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_006280 unedited TATGGACCGGCGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTGGC CTGTGCAGTCCCAGGTCCTGTGATGTTTATTGAAGGAAGCAAGGGCAGGGCTGGGGTGCC GCCCTCAGGCCTGGATGTGGCTCTTCGCACTGAAGGCCAAGTAGATCACAAGGGCGA TCGCCGACGCCAGCACCTCAGTGGACACCCAGGGCCCGTTCCAAGTGCCCGATGGTCCA CGCTGACTGTAACAGAGGCGGGATGATGAAAATGTCTCGTTATTCTCTGAGCCTTCC TGAGGAGGCTGTAGGACTCCTCGTCGAAGAATCTAACCTCATAGGTGCCTGCGTGGGCGC TCTTGTGGTCCAGGCTCCAGGACACCTGATAACGCCCCACATCCTGGCCTCGAGTGACAG GGAATTGTTTTCCACCGACGTCAGCATAGAGAGCCATGTTCTGGACCCTGTTCTTGCATG TCAGGGAGATCTCCACAATGAAGACGGTCTCAGTGAAAATGACAGCGTCAGAAGTGGTGT AGTAGGAAGGGGTGATCTGGGGCTCCAGGCAGGCCTCGGCTGAGCAGCGGGAGAGGCTGG ACAGCAGGAGCAGCGCCAGGGCGCCGAGAGATGCCATCGCCGCCATCGCCTCTTCTGCTG CTAGAGGAAAAGAAAACCCTCGTGCCGAATTCGCGGCCGCCCTATAGTGAGTCGTATTAC AAAATTCTGACGGTTCACTAAACGAGCTCTGCCTATATAGACCTCCACCGTACACGCT ACCGCCCATTTGCGTAAACGGGGCGGGGTATTACGACATTTTGAAAGCCCGTGATTTT GGGCCAAACAAATCCCTTGACGCTAATGGGTGGGAACCTGG
Restriction Sites:	NotI-NotI
ACCN:	NM_006280
Insert Size:	670 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:	<u>NM_006280.1</u> , <u>NP_006271.1</u>
RefSeq Size:	642 bp
RefSeq ORF:	522 bp
Locus ID:	6748
UniProt ID:	<u>P51571</u>
Cytogenetics:	Xq28
Protein Families:	Druggable Genome

Gene Summary:

This gene encodes the delta subunit of the translocon-associated protein complex which is involved in translocating proteins across the endoplasmic reticulum membrane. The encoded protein is located in the Xq28 region and is arranged in a compact head-to-head manner with the isocitrate dehydrogenase 3 (NAD+) gamma gene and both genes are driven by a CpG-embedded bidirectional promoter. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Mar 2011]

Transcript Variant: This variant (2) contains an alternate segment in the 5' UTR and coding region and uses a downstream start codon, compared to variant 1. Isoform 2 has a shorter N-terminus, compared to isoform 1.