

Product datasheet for **RG232006**

Signal sequence receptor delta (SSR4) (NM_001204526) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Signal sequence receptor delta (SSR4) (NM_001204526) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: SSR4
Synonyms: CDG1Y; TRAPD
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG232006 representing NM_001204526
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCGGCCAGCCGTTTCGGCAGAGAAGAGGCGATGGCGGCGATGGCATCTCTCGGCGCCCTGGCGCTGC
 TCCTGTGTCCAGCCTCTCCCGCTGCTCAGCCGAGGCCTGCCTGGAGCCCAGATCACCCCTTCTACTA
 CACCATTCTGACGCTGCATTTCCACTGAGACCGTCTTCATTGTGGAGATCTCCCTGACATGCAAGAAC
 AGGGTCCAGAACATGGCTCTCTATGCTGACGTCGGTGGAAAACAATTCCTGTCCTCGAGGCCAGGATG
 TGGGGCGTTATCAGGTGTCTGGAGCCTGGACCACAAGAGCGCCACGCAGGCACCTATGAGGTTAGATT
 CTTGACGAGGAGTCTACAGCCTCCTCAGGAAGGCTCAGAGGAATAACGAGGACATTTCCATCATCCCC
 CCTCTGTTTACAGTCAGCGTGGACCATCGGGCACTTGGAACGGGCCCTGGGTGTCCACTGAGGTGCTGG
 CTGCGCGGATCGGCCTTGTGATCTACTACTTGGCCTTCAGTGCGAAGAGCCACATCCAGGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG232006 representing NM_001204526
 Red=Cloning site Green=Tags(s)
 MPAQPFGREEAMAAMASLGALALLLSSLSRCSAEACLEPQITPSYYTTSDAVISTETVFIVEISLTCKN
 RVQNMALYADVGGKQFPVTRGQDVGRYQVSWLDHKS AHAGTYEVRFFDEESYLLRKAQRNNEDISIIP
 PLFTVSVDRGTWNGPWVSTEVLA AAIGLVIYYLAFSAKSHIQA

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

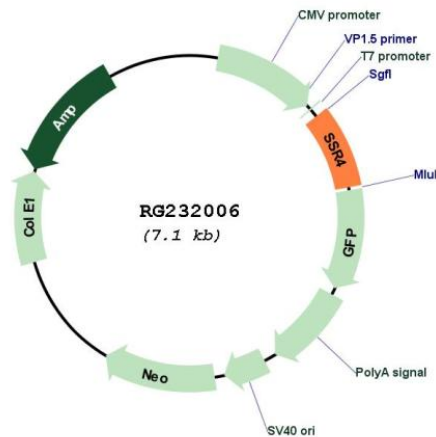


[View online »](#)

Cloning Scheme:



Plasmid Map:



ACCN: NM_001204526

ORF Size: 552 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

| | |
|-------------------------------|---|
| 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_001204526.1</u> , <u>NP_001191455.1</u> |
| RefSeq Size: | 754 bp |
| RefSeq ORF: | 555 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] |