

## Product datasheet for RC236332

### Signal sequence receptor delta (SSR4) (NM\_001204527) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Signal sequence receptor delta (SSR4) (NM\_001204527) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** SSR4  
**Synonyms:** CDG1Y; TRAPD  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC236332 representing NM\_001204527  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGACGGAAAGCAGAGAAGAGGGCGATGGCGGGATGGCATCTCTCGGCGCCCTGGCGCTGCTCCTGCTGT  
 CCAGCCTCTCCCGCTGCTCAGCCGAGGCCCTGCCTGGAGCCCCAGATCACCCCTTCTACTACACCACTTC  
 TGACGCTGTCACTTCCACTGAGACCGTCTTCATTGTGGAGATCTCCCTGACATGCAAGAACAGGGTCCAG  
 AACATGGCTCTCTATGCTGACGTCGGTGGAAAACAATTCCTGTACTCGAGGCCAGGATGTGGGGCGTT  
 ATCAGGTGCTCCTGGAGCCTGGACCACAAGAGCGCCACGCAGGCACCTATGAGGTAGATTCTTCGACGA  
 GGAGTCTACAGCCTCCTCAGGAAGGCTCAGAGGAATAACGAGGACATTTCCATCATCCCGCCTCTGTTT  
 ACAGTCAGCGTGGACCATCGGGGCACTTGGAAACGGGCCCTGGGTGTCCACTGAGGTGCTGGCTGCGGCGA  
 TCGGCCTGTGATCTACTACTTGGCCTTCAGTGCAGAGCCACATCCAGGCC

**ACGCGT**ACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC236332 representing NM\_001204527  
 Red=Cloning site Green=Tags(s)

MTESREEAMAAMASLGALALLLSSLRCSAEACLEPQITPSYYTSDAVISTETVFIVEISLTCKNRVQ  
 NMALYADVGGKQFPVTRGQDVGRYQVSWSLDHKSAHAGTYEVRFDEESYSLLRKAQRNEDISIIPLPF  
 TVSVDHRGTWNGPWVSTEVLAAGIIGLVIYYLAFSAKSHIQA

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

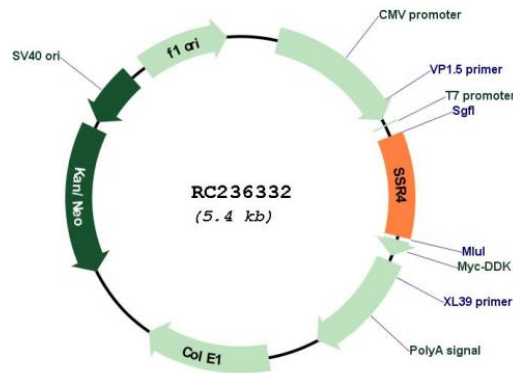


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Cloning Scheme:



Plasmid Map:



ACCN: NM\_001204527

ORF Size: 543 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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001204527.2</a></u>
<b>RefSeq Size:</b>	777 bp
<b>RefSeq ORF:</b>	546 bp
<b>Locus ID:</b>	6748
<b>Cytogenetics:</b>	Xq28
<b>Protein Families:</b>	Druggable Genome
<b>MW:</b>	20.4 kDa
<b>Gene Summary:</b>	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]