

Product datasheet for **RC236655**

TRAP alpha (SSR1) (NM_001292008) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRAP alpha (SSR1) (NM_001292008) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SSR1
Synonyms:	TRAPA
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC236655 representing NM_001292008 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAGACTCTCCCCGCTTGCTGCTGCTTCTCTTACTCGTGTTCCCTGCCACTGTCTTGTTCGAGGCG
GCCCCAGAGGCTTGTTAGCAGTGGCACAAGATCTTACAGAGGATGAAGAAACAGTAGAAGATTCCATAAT
TGAGGATGAAGATGATGAAGCCGAGGTAGAAGAAGATGAACCCACAGATTTGGTAGAAGATAAAGAGGAA
GAAGATGTGTCTGGTGAACCTGAAGCTTACCCGAGTGCAGATACAATACTACTGTTTGTAAAAGGAGAAG
AGCCCATGGGCGGACGACCATTTGGTTTGGTCATCAATCTGAACCTACAAAGATTTGAACGGCAATGTATT
CCAAGATGCAGTCTTCAATCAAACAGTTACAGTTATTGAAAGAGAGGATGGGTTAGATGGAGAAACAATC
TTTATGTATATGTTCTTGCTGGTCTTGGGCTTCTGGTTATTGTTGGCCTTCATCAACTCCTAGAATCTA
GAAAGCGTAAGAGACCCATACAGAAAAGTAGAAATGGGTACATCAAGTCAGAATGATGTTGACATGAGTTG
GATTCCTCAGGAAACATTGAATCAAATCAATAAAGCTTACCAAGAAGGTTGCCAGGAAACGGGCACAG
AAGAGATCAGTGGGATCTGATGAG

ACGCGTACGCGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC236655 representing NM_001292008
 Red=Cloning site Green=Tags(s)

MRLLPRLLLLLLVFPATVLFRRGPRGLLAVAQDLTEDEETVEDSIIIEDEDEAEVEEDEPTDLVEDKEE
 EDVSGEPEASPSADTTILFVKGEPEMGRPFGLVINLNYKDLNGNVFQDAVFNQTVTVIEREDGLDGETI
 FMYMFLAGLGLLVIVGLHQLLESRRKRRIQKVENGTSSQNDVMSWIPQETLNQINKASPRRLPRKRAQ
 KRSVGSDE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

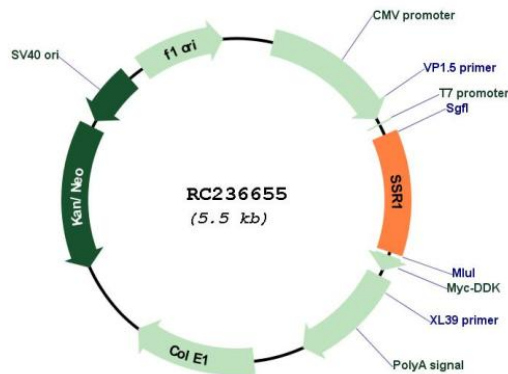
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001292008

ORF Size: 654 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:	NM_001292008.2
RefSeq Size:	9589 bp
RefSeq ORF:	657 bp
Locus ID:	6745
UniProt ID:	P43307
Cytogenetics:	6p24.3
Protein Families:	Druggable Genome, Transmembrane
MW:	24.9 kDa
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 encoded by this gene and a 22-kD glycoprotein. This gene generates several mRNA species as a result of complex alternative polyadenylation. This gene is unusual in that it utilizes arrays of polyA signal sequences that are mostly non-canonical. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2014]