

## Product datasheet for **RG236655**

### 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:	TurboGFP
Symbol:	TRAP alpha
Synonyms:	TRAPA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG236655 representing NM_001292008. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGACTCCTCCCCGCTTGCTGCTGCTTCTCTTACTCGTGTTCCCTGCCACTGTCTTGTTCGAGGC
GGCCCCAGAGGCTTGTTAGCAGTGGCACAAGATCTTACAGAGGATGAAGAAACAGTAGAAGATCCATA
ATTGAGGATGAAGATGATGAAGCCGAGGTAGAAGAAGTGAACCCACAGATTTGGTAGAAGATAAAGAG
GAAGAAGATGTGTCTGGTGAACCTGAAGCTTACCGAGTGCAGATACAATACTGTTTGTAAAAGGA
GAAGAGCCCATGGGCGGACGACCATTTGGTTTGGTCATCAATCTGAACTACAAAGATTTGAACGGCAAT
GTATTCCAAGATGCAGTCTTCAATCAAACAGTTACAGTTATTGAAAGAGAGGATGGGTTAGATGGAGAA
ACAATCTTTATGTATATGTTCTTGGCTGCTTGGGCTTCTGGTTATTGTTGGCCTTCATCAACTCCTA
GAATCTAGAAAGCGTAAGAGACCATACAGAAAGTAGAAATGGGTACATCAAGTCAGAATGATGTTGAC
ATGAGTTGGATTCTCAGGAAACATTGAATCAAATCAATAAAGCTTACCAAGAAGGTTGCCAGGAAA
CGGGCACAGAAGAGATCAGTGGGATCTGATGAG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAAAC
```



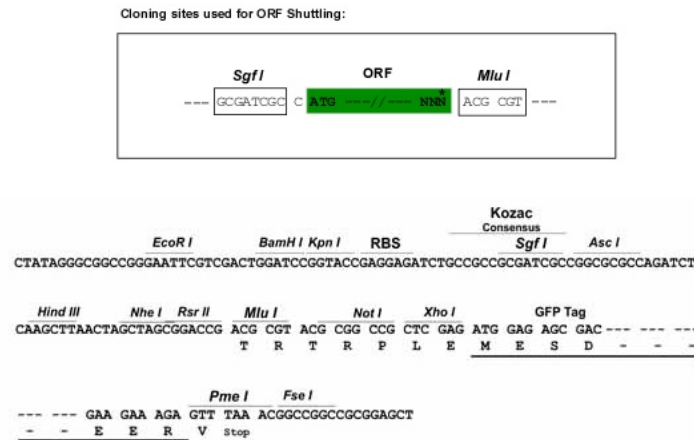
[View online »](#)

**Protein Sequence:** >Peptide sequence encoded by RG236655  
 Blue=ORF Red=Cloning site Green=Tag(s)

MRLLPRLLLLLLVFPATVLFRRGPRGLLAVAQDLTEDEETVEDSIIIEDEDEAEVEEDEPTDLVEDKE  
 EEDVSGEPEASPSADTTILFVKGEPMGGRPFGLVINLNYKDLNGNVFQDAVFNQTVTVIEREDGLDGE  
 TIFMYMFLAGLGLLVIVGLHQLLESRRKRRIQKIVEMGTSSQNDVDMSWIPQETLNQINKASPRRLPRK  
 RAQKRSVGSDE  
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV  
 MGYGFYHFGTYPSGYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP  
 SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**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).

**RefSeq:** [NM\\_001292008.2](#)

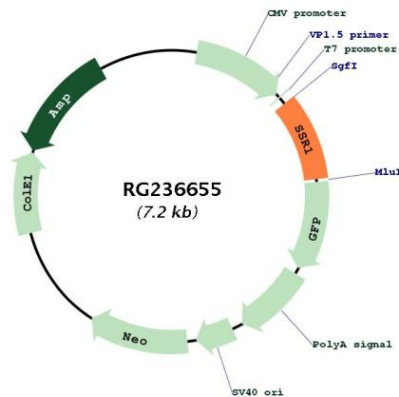
**RefSeq Size:** 9589 bp

**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]

**Product images:**



Circular map for RG236655