

Product datasheet for **RG206694**

TRY1 (PRSS58) (NM_001001317) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	TRY1
Synonyms:	PRSSI; TRY1; TRYX3; UNQ2540
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG206694 representing NM_001001317
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAAGTTTATCCTCCTCTGGGCCCTCTTGAATCTGACTGTTGCTTTGGCCTTAAATCCAGATTACACAG
TCAGCTCCACTCCCCCTTACTTGGTCTATTTGAAATCTGACTACTTGCCCTGCGCTGGAGTCCTGATCCA
CCCGCTTTGGGTGATCACAGCTGCACACTGCAATTTACCAAAGCTTCGGGTGATATTGGGGTTACAATC
CCAGCAGACTCTAATGAAAAGCATCTGCAAGTGATTGGCTATGAGAAGATGATTCATCATCCACACTTCT
CAGTCACTTCTATTGATCATGACATCATGCTAATCAAGCTGAAAACAGAGGCTGAACTCAATGACTATGT
GAAATTAGCCAACCTGCCCTACCAAATCTCTGAAAATACCATGTGCTCTGTCTCTACCTGGAGCTAC
AATGTGTGTGATATCTACAAAGAGCCCGATTCACTGCAAACTGTGAACATCTCTGTAATCTCCAAGCCTC
AGTGTGCGGATGCCTATAAAACCTACAACATCACGAAAATATGCTGTGTGTGGCATTGTGCCAGGAAG
GAGGCAGCCCTGCAAGGAAGTTTCTGCTGCCCCGCAATCTGCAATGGGATGCTTCAAGGAATCCTGTCT
TTTGCGGATGGATGTGTTTGGAGAGCCGATGTTGGCATCTATGCCAAAATTTTACTATATACCTGGA
TTGAAAATGTAATCCAAATAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence:

>RG206694 representing NM_001001317

Red=Cloning site Green=Tags(s)

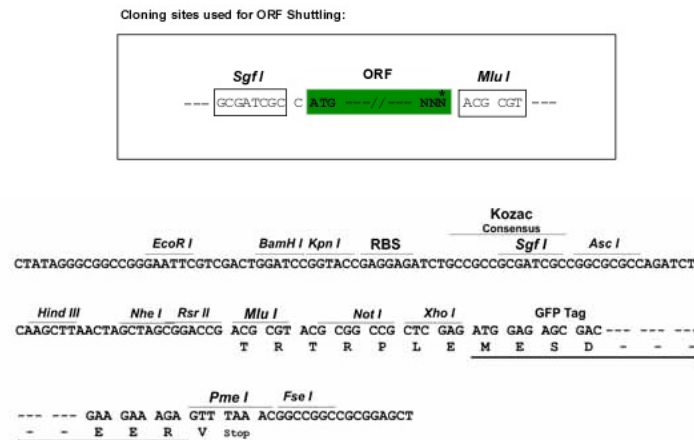
MKFILLWALLNLTVALAFNPDYTVSSTPPYLVYLKSDYLPACAGVLIHPLWVITAAHCNLPKLRVILGVTI
PADSNEKHLQVIGYEKMIHHPHFSVTSIDHDIKLIKTEAELNDYVKLANLPYQTISENTMCSVSTWSY
NVCDIYKEPDSLQTVNISVISKPQCRDAYKTYNITENMLCVGIVPGRQPCKEVSAAPAICNGMLQGILS
FADGCVLRADVGIYAKIFYIIPWIENVIQNN

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_001001317

ORF Size:

723 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:

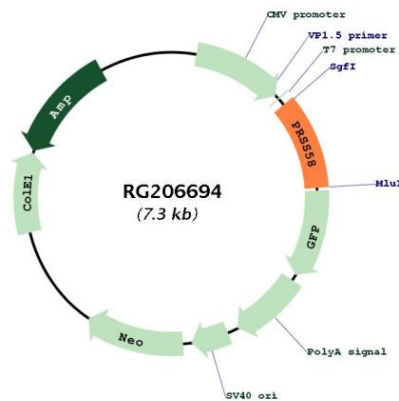
This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001001317.2</u>
RefSeq Size:	932 bp
RefSeq ORF:	726 bp
Locus ID:	136541
UniProt ID:	<u>Q8IYP2</u>
Cytogenetics:	7q34
Protein Families:	Druggable Genome
Gene Summary:	This gene encodes a member of the trypsin family of serine proteases. This gene and several related trypsinogen genes are localized to the T cell receptor beta locus on chromosome 7. This gene was previously described as a trypsinogen-like pseudogene, but it is now thought to be a protein-coding gene. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG206694