

## Product datasheet for **RG231087**

### Trypsin (PRSS3) (NM\_001197098) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Trypsin (PRSS3) (NM_001197098) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PRSS3
Synonyms:	MTG; PRSS4; T9; TRY3; TRY4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG231087 representing NM_001197098 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGACCTGCGGGGAGGTTGCTGTCCCCTTTGACGATGATGACAAGATTGTTGGGGGCTACACCTGTG  
AGGAGAATTCTCTCCCCTACCAGGTGTCCTGAATTCTGGCTCCCACTTCTGCGGTGGCTCCCTCATCAG  
CGAACAGTGGGTGGTATCAGCAGCTCACTGCTACAAGACCCGCATCCAGGTGAGACTGGGAGGCACAAC  
ATCAAAGTCTGGAGGGGAATGAGCAGTTCATCAATGCGGCCAAGATCATCCGCCACCCTAAATACAACA  
GGGACACTCTGGACAATGACATCATGCTGATCAAACCTCTCCTCACCTGCCGTATCAATGCCCGCTGTC  
CACCATCTCTCTGCCACCGCCCTCCAGCTGCTGGCACTGAGTGCCTCATCTCCGGCTGGGGCAACACT  
CTGAGCTTTGGTCTGACTACCCAGACGAGCTGAAGTGCCTGGATGCTCCGGTGTGACCCAGGCTGAGT  
GTAAAGCCTCCTACCCTGGAAAGATTACCAACAGCATGTTCTGTGTGGGCTTCCTTGAGGGAGGCAAGGA  
TTCTGCCAGCGTGACTCTGGTGGCCCTGTGGTCTGCAACGGACAGCTCCAAGGAGTTGTCTCTGGGGC  
CATGGCTGTGCCTGGAAGAACAGGCCTGGAGTCTACACCAAGGTCTACAACATATGTGGACTGGATTAAGG  
ACACCATCGCTGCCAACAGC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

**Protein Sequence:** >RG231087 representing NM\_001197098  
Red=Cloning site Green=Tags(s)

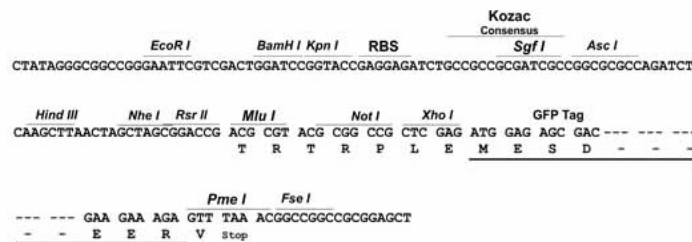
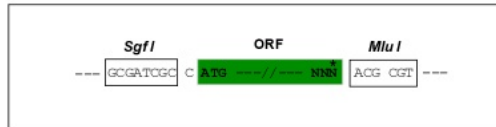
MGPAGEVAVPFDDDDKIVGGYTCEENSLPYQVSLNSGSHFCGGSLISEQWVVSAAHCYKTRIQVRLGEHN  
 IKVLEGNEQFINAAKIIRHPKYNRDTLNDIMLIKLSPPAVINARVSTISLPTAPPAAGTECLISGWGNT  
 LSFADYPDELKCLDAPVLTQAECKASYPGKITNSMFCVGFLEGGKDCQRDSSGGPVCNGQLQGVVSWG  
 HGCAWKNRPGVYTKVYNYVDWIKDTIAANS

TRTRPLE - GFP Tag - V

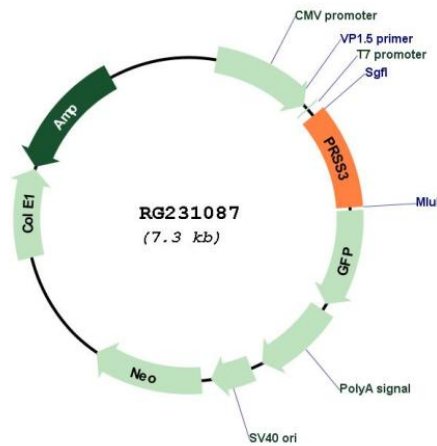
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**



**ACCN:** NM\_001197098

**ORF Size:** 720 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	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>	<a href="#">NM_001197098.1</a> , <a href="#">NP_001184027.1</a>
<b>RefSeq Size:</b>	803 bp
<b>RefSeq ORF:</b>	723 bp
<b>Locus ID:</b>	5646
<b>UniProt ID:</b>	<a href="#">P35030</a>
<b>Cytogenetics:</b>	9p13.3
<b>Protein Families:</b>	Druggable Genome, Protease, Secreted Protein
<b>Protein Pathways:</b>	Neuroactive ligand-receptor interaction
<b>Gene Summary:</b>	This gene encodes a trypsinogen, which is a member of the trypsin family of serine proteases. This enzyme is expressed in the brain and pancreas and is resistant to common trypsin inhibitors. It is active on peptide linkages involving the carboxyl group of lysine or arginine. This gene is localized to the locus of T cell receptor beta variable orphans on chromosome 9. Four transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Oct 2010]