

Product datasheet for RC231087L4

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Trypsin (PRSS3) (NM_001197098) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Trypsin (PRSS3) (NM_001197098) Human Tagged Lenti ORF Clone

Tag: mGFP Symbol: Trypsin

Synonyms: MTG; PRSS4; T9; TRY3; TRY4

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC231087).

Sequence:

The one insert of this cione is exactly the same as (No251007

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM_001197098

ORF Size: 720 bp





Trypsin (PRSS3) (NM_001197098) Human Tagged Lenti ORF Clone - RC231087L4

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.

RefSeq: <u>NM 001197098.1</u>, <u>NP 001184027.1</u>

 RefSeq ORF:
 723 bp

 Locus ID:
 5646

 UniProt ID:
 P35030

 Cytogenetics:
 9p13.3

Protein Families: Druggable Genome, Protease, Secreted Protein

Protein Pathways: Neuroactive ligand-receptor interaction

MW: 26.3 kDa

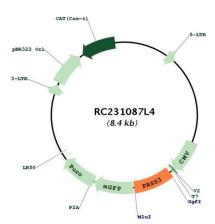
Gene Summary: This gene encodes a trypsinogen, which is a member of the trypsin family of serine

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]



Product images:



Circular map for RC231087L4