

Product datasheet for RC222362L3

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OriGene Technologies, Inc.

HTRA1 (NM_002775) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: HTRA1 (NM_002775) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: HTRA1

Synonyms: ARMD7; CADASIL2; CARASIL; HtrA; L56; ORF480; PRSS11

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

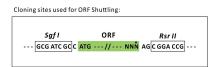
E. coli Selection: Chloramphenicol (34 ug/mL)

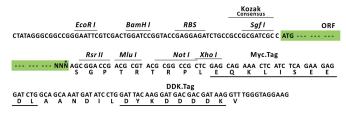
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC222362).

Sequence:

Restriction Sites: Sgfl-Rsrll

Cloning Scheme:





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

ACCN: NM_002775

ORF Size: 1440 bp





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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 002775.3</u>

RefSeq Size: 2133 bp
RefSeq ORF: 1443 bp
Locus ID: 5654

 UniProt ID:
 Q92743

 Cytogenetics:
 10q26.13

Domains: IB, Tryp SPc, PDZ, kazal

Protein Families: Druggable Genome, Protease, Secreted Protein

MW: 51.3 kDa

Gene Summary: This gene encodes a member of the trypsin family of serine proteases. This protein is a

secreted enzyme that is proposed to regulate the availability of insulin-like growth factors (IGFs) by cleaving IGF-binding proteins. It has also been suggested to be a regulator of cell growth. Variations in the promoter region of this gene are the cause of susceptibility to age-

related macular degeneration type 7. [provided by RefSeq, Jul 2008]