

Product datasheet for RC228927L3

OriGene Technologies, Inc.

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Alpha 2 Antiplasmin (SERPINF2) (NM_001165920) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Alpha 2 Antiplasmin (SERPINF2) (NM_001165920) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: Alpha 2 Antiplasmin

A2AP; AAP; ALPHA-2-PI; alpha2AP; API; PLI Synonyms:

Mammalian Cell

Selection:

Puromycin

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

Sgfl-Mlul

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

ORF Nucleotide

Sequence:

The ORF insert of this clone is exactly the same as(RC228927).

Restriction Sites:

Cloning Scheme:





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

ACCN: NM_001165920

ORF Size: 1473 bp



Alpha 2 Antiplasmin (SERPINF2) (NM_001165920) Human Tagged Lenti ORF Clone - RC228927L3

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 001165920.1</u>, <u>NP 001159392.1</u>

 RefSeq Size:
 2296 bp

 RefSeq ORF:
 1476 bp

 Locus ID:
 5345

 UniProt ID:
 P08697

Cytogenetics:

Protein Families: Druggable Genome, Secreted Protein

Protein Pathways: Complement and coagulation cascades

17p13.3

MW: 54.6 kDa

Gene Summary: This gene encodes a member of the serpin family of serine protease inhibitors. The protein is

a major inhibitor of plasmin, which degrades fibrin and various other proteins. Consequently, the proper function of this gene has a major role in regulating the blood clotting pathway. Mutations in this gene result in alpha-2-plasmin inhibitor deficiency, which is characterized by severe hemorrhagic diathesis. Multiple transcript variants encoding different isoforms have

been found for this gene. [provided by RefSeq, Sep 2009]