

### Product datasheet for RC202138L4

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# SERPINB1 (NM\_030666) Human Tagged Lenti ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

Product Name: SERPINB1 (NM 030666) Human Tagged Lenti ORF Clone

Tag: mGFP

Symbol: SERPINB1

Synonyms: EI; ELANH2; HEL-S-27; HEL57; LEI; M/NEI; MNEI; PI-2; PI2

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(RC202138).

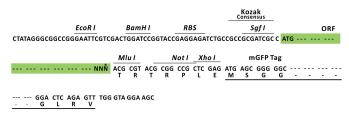
Sgfl-Mlul

Sequence:

nce:

Restriction Sites: Cloning Scheme:





<sup>\*</sup> The last codon before the Stop codon of the ORF

**ACCN:** NM\_030666

ORF Size: 1137 bp





#### SERPINB1 (NM\_030666) Human Tagged Lenti ORF Clone - RC202138L4

**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 030666.2</u>

 RefSeq Size:
 2678 bp

 RefSeq ORF:
 1140 bp

 Locus ID:
 1992

UniProt ID: P30740

Cytogenetics: 6p25.2

**Domains:** SERPIN

**Protein Families:** Druggable Genome

**MW:** 42.7 kDa

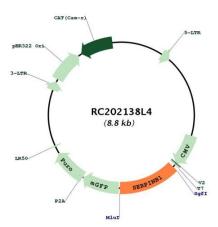
**Gene Summary:** The protein encoded by this gene is a member of the serpin family of proteinase inhibitors.

Members of this family maintain homeostasis by neutralizing overexpressed proteinase activity through their function as suicide substrates. This protein inhibits the neutrophilderived proteinases neutrophil elastase, cathepsin G, and proteinase-3 and thus protects tissues from damage at inflammatory sites. Alternative splicing results in multiple transcript

variants. [provided by RefSeq, Aug 2012]



## **Product images:**



Circular map for RC202138L4