

## Product datasheet for **SC331065**

### **SERPINB8 (NM\_001276490) Human Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** SERPINB8 (NM\_001276490) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** SERPINB8  
**Synonyms:** C18orf53; CAP2; PI-8; PI8; PSS5  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC331065 representing NM\_001276490.  
**Blue**=Insert sequence **Red**=Cloning site **Green**=Tag(s)

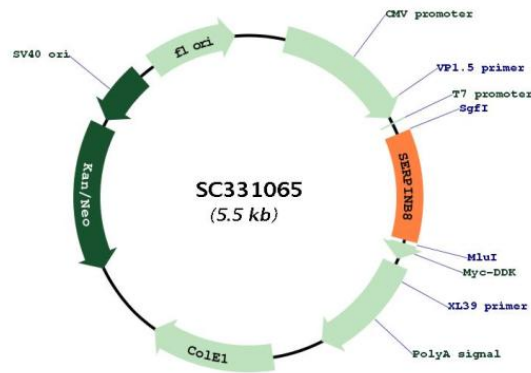
```
ATGCTCTTTAAACCAACGAGGAAAAAAGACAGTGCAGATGATGTTAAGGAAGCTAAGTTAAAAATG
GGGTATGCGGATGAGGTACACACCCAGGTCCTGGAGCTGCCCTATGTGGAAGAGGAGCTGAGCATGGTC
ATTCTGCTTCCCGATGACAACACGGACCTCGCCGTGGTGGAAAAAGCACTTACATATGAGAAATTCAAA
GCCTGGACAAATTCAGAAAAGTTGACAAAAAGTAAGGTTCAAGTTTTCTTCCCAGATTAAGCTGGAG
GAGAGTTATGACTTGGAGCCTTTCCTTCGAAGATTAGGAATGATCGATGCTTTTGACGAAGCCAAGGCA
GACTTTTCTGGAATGTCAACTGAGAAGAATGTGCCTCTGTCCAAGTTGCCACAAGTGCTTCGTGGAG
GTCAATGAGGAAGGCACAGAGGCTGCCGACCCACTGCTGTGGTCAGGAATCCCGGTGCAGCAGAAATG
GAGCCAAGATTCTGTGCAGACCACCTTTTCTTTCTTTCATCAGGCACCACAAAACCAACTGCATCTTG
TTCTGTGGCAGGTTCTTCTCCGTAA
```

**Restriction Sites:** Sgfl-Mlul



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Plasmid Map:



**ACCN:** NM\_001276490

**Insert Size:** 579 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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:** [NM\\_001276490.1](#)

**RefSeq Size:** 3212 bp

**RefSeq ORF:** 579 bp

**Locus ID:** 5271

**UniProt ID:** [P50452](#)

**Cytogenetics:** 18q22.1

**Protein Families:** Druggable Genome

**MW:** 22.1 kDa

**Gene Summary:** The protein encoded by this gene is a member of the ov-serpin family of serine protease inhibitors. The encoded protein is produced by platelets and can bind to and inhibit the function of furin, a serine protease involved in platelet functions. In addition, this protein has been found to enhance the mechanical stability of cell-cell adhesion in the skin, and defects in this gene have been associated with an autosomal-recessive form of exfoliative ichthyosis. [provided by RefSeq, Jan 2017]

Transcript Variant: This variant (4) uses an alternate splice junction in the 5' UTR and lacks the alternate exon containing the translation start site compared to variant 2. The resulting isoform (c) is shorter at the N-terminus compared to isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.