

Product datasheet for **SC306941**

SERPINA12 (NM_173850) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | SERPINA12 (NM_173850) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | SERPINA12 |
| Synonyms: | OL-64 |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL4</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |

Fully Sequenced ORF: >OriGene ORF sequence for NM_173850 edited
ATGAACCCACACTAGGCCTGGCCATTTTTCTGGCTGTTCTCCTCACGGTAAAAGTCTT
CTAAAGCCGAGCTTCTCACCAGGAATTATAAAGCTTTGAGCGAGTCCAAGGATGGAAG
CAAAGGATGGCAGCCAAGGAGCTTGCAAGGCAGAACATGACTTAGGCTTTAAGCTGCTC
AAGAAGCTGGCCTTTTACAACCCTGGCAGGAACATCTTCTATCCCCCTGAGCATCTCT
ACAGCTTCTCCATGCTGTGCTGGGTGCCAGGACAGCACCTGGACGAGATCAAGCAG
GGGTTCAACTTCAGAAAGATGCCAGAAAAGATCTTCATGAGGGCTTCCATTACATCATC
CACGAGCTGACCCAGAAGACCCAGGACCTCAAAGTGGGAAACACGCTGTTTATT
GACCAGAGGCTGCAGCCACAGCGTAAGTTTTGGAAAGTGCCAAGAACTTTTACAGTGCC
GAAACCATCCTTACCAACTTTCAGAAATTTGAAAATGGCTCAGAAGCAGATCAATGACTTT
ATCAGTCAAAAAACCCATGGGAAAATTAACAACCTGATCGAGAATATAGACCCCGGCACT
GTGATGCTTCTTGCAAATTATATTTTCTTTCGAGCCAGGTGAAAACATGAGTTTGATCCA
AATGTAATAAAGAGGAAGATTTCTTTCTGGAGAAAACAGTTTCAAGTCAAGGTGCCCATG
ATGTTCCGTAGTGGCATATACCAAGTTGGCTATGACGATAAGCTCTTTCACCATCCTG
GAAATACCTACCAGAAAAATATCACAGCCATCTTCATCCTTCTGATGAGGGCAAGCTG
AAGCACTTGGAGAAGGGATTGCAGGTGGACACTTTCTCCAGATGGAAAACATTACTGTCA
CGCAGGGTCGTAGACGTGTGTACCCAGACTCCACATGACGGGCACCTTCGACCTGAAG
AAGACTCTCTACATAGGTGTCTCCAAAATCTTTGAGGAACATGGTGATCTCACCAAG
ATCGCCCTCATCGAGCCTGAAAGTGGGCGAGGCTGTGCACAAGGCTGAGCTGAAGATG
GATGAGAGGGGTACGGAAGGGGCGCTGGCACCGGAGCAGACTCTGCCATGGAGACA
CCACTCGTCGTAAGATAGACAAACCCTATCTGCTGCTGATTTACAGCGAGAAAATACCT
TCCGTGCTCTTCTGGGAAAGATTGTTAACCTATTGGAAAATAA



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| 5' Read Nucleotide Sequence: | <p>>OriGene 5' read for NM_173850 unedited</p> <pre>GGAGTTCAAATTTTGTATACGACTCATATAGGCGGCCGCGNATTCAGATCTGGTACCGGT CCGGAATTCGCGGATATCGTCGACCCACGCGTCCGCTCCCAGGTGCCTGGCAGAGAGTC CTCACCAGCCCCCTGCCGGATGTCTGGCTGGCATCTGAGGGGACTGAACATGGCAAGAAG CAAAACAGCAGCACAAGAAACCAGTTTCTTCATCTGAAACCGAGCAGGCTCTACTCCAGA ACAGAACCACAGTCCCAGGCGCTGGCCTTCTTCTTAAGTTGGGAAATCACTCATCCCC AGGAGAAAAAAGAGCAAAAGCTTCCAGTACTGGGGATGTGGGAGAGGTTTTTAAAAA TATCAGCCCAATATATGGGAAAATATGGGATGCAGGCATCCCCAGGTGTCAAGCGTCCAG ATCCGTAGACACACTGGGACGATGGTGATCAGTATCACTCCCTCTGACTCATCGGCCCTA CAGAGAAGACACCATGCTGGTGCACAGTCGGTGCCAAACCCGCTTTGTAATGAATAAG TGTTGCTGCCCTGGTGGAAAGCCAGCTCATGTGGAGGAAGCCAGCTTGCAGAGAGAGCAA GAACAGAGCCAGCACACATTGGAGCAAAGGCAAGGGCAGATGGAAAGTTCTGGCGGCA TCATGCCAAGGCTCCATCCGAGGCCTCCCTGAACCCACTCTCTCGGCGCCACCTTGA TGCTGCGGGCTGGTACATTCCCCACTTGCAAACTCTGTGGGGCTGGGTTCTCTCTTTT CTTTCCAATATCCCAGGAAGTGGATGGTTTTATCCAATTCAGCAGACGAGTAAAAAGA GTCTTCGGGAGGTGCAATAGCTTCTAGGAATGAGATATTCTTCAGGNAAAATGACCCNC ACTNAGCCTGGCCATTTTCTGA</pre> |
| 3' Read Nucleotide Sequence: | <p>>Forward primer walk for NM_173850 unedited</p> <pre>NGTATATTTTACATCAAAAACCTGGGNAAAATAACAACCTGCTCGANAATTAGACCCCG GCACTGTGATGCTTCTTGCAAATATATTTTCTTTCGAGCCAGGTGAAACATGAGTTTG ATCCAATGTAACATAAGAGGAAGATTTCTTCTGGAGAAAACAGTTCAGTCAAGGTGC CCATGATGTTCCGTAGTGGCATATACCAAGTTGGCTATGACGATAAGCTCTCTTGACCA TCCTGGAAATACCTACCAGAAAATATCACAGCCATCTTCATCCTTCTGATGAGGGCA AGCTGAAGCACTTGAGAAAGGATTGCAGTGGACACTTCTCCAGATGGAAAACATTAC TGTACGCAGGGTCGTAGACGTGTCTGTACCCAGACTCCACATGACGGGCACCTTCGACC TGAAGAAGACTCTCTCTACATAGGTGTCTCCAAAATCTTTGAGGAACATGGTGATCTCA CCAAGATCGCCCCCTATCGCAGCCTGAAAGTGGGCGAGGCTGTGCACAAGGCTGAGCTGA AGATGGATGAGAGGGGTACGGAAGGGCCGCTGGCACCGGAGCAGACTCTGCCATGG AGACACCACTCGTCGTCGAAGATAGACAAACCCTATCTGCTGCTGATTTACAGCGAGAAAA TACCTTCGCTGCTTCTTCTGGGAAAGATTGTTAACCTATTGGAAAATAAAGGAGAATT CTGCTTGCCNNNNNNANNNNNANANNNNNAAGGGCGCGCGGTCATAGCTGTTTCCC TGACAGATCCCGGTGGCATCCCTGTGACCCCTCCCCAGTGCCTCNTCTGGCCCTGGNAA NGTGCACCTNAGTGCCACAGCCTTGTCTTAATAAAATAAGTTGCATCATTTTGTCTGAC T</pre> |
| Restriction Sites: | NotI-NotI |
| ACCN: | NM_173850 |
| Insert Size: | 2100 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). |
| OTI Annotation: | The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference. |
| 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_173850.2](#), [NP_776249.1](#)

RefSeq Size: 2087 bp

RefSeq ORF: 1245 bp

Locus ID: 145264

UniProt ID: [Q8IW75](#)

Cytogenetics: 14q32.13

Protein Families: Druggable Genome, Secreted Protein

Gene Summary: Adipokine that modulates insulin action by specifically inhibiting its target protease KLK7 in white adipose tissues.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein. 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.