

Product datasheet for **RG208148**

SERPINA12 (NM_173850) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SERPINA12 (NM_173850) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: SERPINA12
Synonyms: OL-64
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG208148 representing NM_173850
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACCCACACTAGGCCTGGCCATTTTTCTGGCTGTTCTCCTCACGGTGAAAGGTCTTCTAAAGCCGA
GCTTCTCACCAAGGAATTATAAGCTTTGAGCGAGGTCCAAGGATGGAAGCAAAGGATGGCAGCCAAGGA
GCTTGCAAGGCAGAACATGGACTTAGGCTTTAAGCTGCTCAAGAAGCTGGCCTTTTACAACCTGGCAGG
AACATCTTCTATCCCCCTTGAGCATCTCTACAGCTTTCTCCATGCTGTGCCTGGGTGCCAGGACAGCA
CCCTGGACGAGATCAAGCAGGGTTCAACTTCAGAAAGATGCCAGAAAAAGATCTTCATGAGGGCTTCCA
TTACATCATCCACGAGCTGACCCAGAAGACCCAGGACCTCAAACCTGAGCATTGGGAACACGCTGTTCA
GACCAGAGGCTGCAGCCACAGCGTAAGTTTTTGGAAAGATGCCAAGAACTTTTACAGTGCCGAAACCATCC
TTACCAACTTTCAGAATTTGAAATGGCTCAGAAGCAGATCAATGACTTTATCAGTCAAAAAACCCATGG
GAAAATTAACAACCTGATCGAGAATATAGACCCCGGCACTGTGATGCTTCTTGCAAATTATATTTCTTT
CGAGCCAGGTGGAACATGAGTTTGTCCGATGTAACATAAGAGGAAGATTTCTTTCTGGAGAAAAACA
GTTCAAGTCAAGGTGCCATGATGTTCCGTAGTGGCATAACCAAGTTGGCTATGACGATAAGCTCTCTTG
CACCATCTGGAAATACCCTACCAGAAAAATATCACAGCCATCTTCATCCTTCTGATGAGGGCAAGCTG
AAGCATTGGAGAAGGATTGCAGTGGCACTTTCTCCAGATGGAAAACATTACTGTACGCAGGGTCTG
TAGACGTGTCTGTACCCAGACTCCACATGACGGGCACCTTCGACCTGAAGAAGACTCTCTCTACATAGG
TGTCTCCAAAATCTTTGAGGAACATGGTATCTCACCAAGATCGCCCTCATCGCAGCCTGAAAGTGGGC
GAGGCTGTGCACAAGGCTGAGCTGAAGATGGATGAGAGGGGTACGGAAGGGGCCGCTGGCACCAGGACAC
AGACTCTGCCATGGAGACCACTCGTCGTCAAGATAGACAAACCCTATCTGCTGCTGATTTACAGCGA
GAAAATACCTTCCGTGCTTCTCTGGAAAGATTGTTAACCTATTGGAAAA

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG208148 representing NM_173850
 Red=Cloning site Green=Tags(s)

MNPTLGLAIFLAVLLTVKGLLKPSFSPRNYKALSEVQGWKQMAAKELARQNMDLGFKLLKLAIFYNPGR
 NIFLSPLSISTAFSMLCLGAQDSTLDEIKQGFNFRKMPEKDLHEGFHYIIHEL TQKTQDLKLSIGNTLFI
 DQRLQPQRKFLEDAKNFYSAETILTNFQNLMAQKQINDFISQKTHGKINLIENIDPGTVMLLANYIFF
 RARWKHEFDPNVTKEDFFLEKNSSVKVPMFMRSGIYQVGYDDKLSCTILEIPYQKNITAIIFILPDEGKL
 KHLEKGLQVDTFSRWKTL LSRVVVDVSVPR LHMTGTFDLKKTL SYIGVSKIFEEHDLTKIAPHRSLKVG
 EAVHKAELKMDERGTEGAAGTGAQTLPMETPLVVKIDKPYLLLIYSEKIPSVLFLGKIVNPIGK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_173850

ORF Size: 1242 bp

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: [NM_173850.4](#)

RefSeq Size: 2087 bp

RefSeq ORF: 1245 bp

Locus ID: 145264

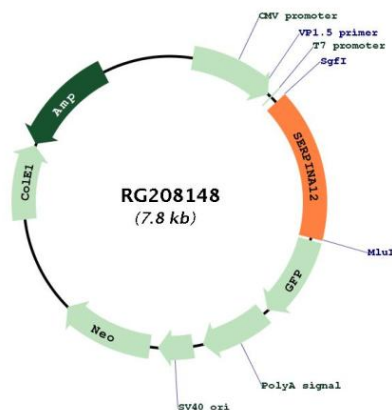
UniProt ID: [Q8IW75](#)

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]

Product images:



Circular map for RG208148