

Product datasheet for MR206495

Serpina12 (NM_026535) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Serpina12 (NM_026535) Mouse Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Serpina12
 Synonyms: 4632419J12Rik
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >MR206495 representing NM_026535
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGACTCGCATGCTGGACCTGGCCTGTTCCGGCAGGCCTCCTCACTGTGAAAGGTCTCCTGCAGGACA
 GAGATGCTCCAGATATGTATGACTCTCCAGTCAGGTCGAAGAGTGGAGGGGCAAGAAGGATGCCCGCA
 GCTTGCTCGACACAACATGGAATTTGGCTTCAAGCTACTGCAGAGGCTGGCCAGCAATAGCCCTCGGGGA
 AACATCTTCTATCCCCACTGAGCATCTCCACTGCCTTCTCCATGCTGTCTCTCGGGGCCAGAACTCCA
 CACTGGAGGAAATCCGGGAGGGTTCAACTTCAAAGAGATGTCAAACAGGGACGTCATGCGGCTTTCCA
 CTACCTTCTCCACAAGCTCAACCAGGAGACGGAGGACACAAGATGAACTTAGGCAATGCTTTATTTATG
 GATCAGAAGCTGAGGCCCAACAGAGGTTCTGAACCTGGCTAAGAAATGTGTATGATGCGGACATGGTGC
 TCACTAATCCAGGACTTAGAAAACTCAGAAGGATATCAACAGATACATCAGTCGAAAAACCCACAG
 CAGAATCAAAAACATGGTAAAAAGCATAGACCCAGGCACCGTGATGATTCTCACAAATTATTTACTTT
 CGAGGCAGGTGGCAGTATGAATTCGACCCAAAACAGACCAAGGAGGAGGATTCTTCATAGAGAAAGGCA
 AGACCGTGAAGGTACCCATGATGTTCCAAAGGGCTTGTACGACATGGCCTATGACAGCCAGCTCTCCTG
 CACCATCTGGAAATCCCCTACCGGGAAAACATCACAGCCACATTTGCTTCTGACAATGGCAAGCTG
 AAGCTGCTGGAGCAGGGTTGCAGGCAGACATCTTGGCAAGTGGAAAAGCCTTCTCAAAAAGAGTGG
 TGGATGTGTGGGTGCCAAGCTCCGCATCTCGTCTACTTACAACATGAAGAAGGTTCTGTCCCGCCTGGG
 CATCAGCAAAATCTTTGAGGAGAATGGTACCTCACCCGATCTCATCTCATCGAAGCCTGAAGGTGGGA
 GAGGCTGTGCACAAGGCTGAACTGAAGATGGATGAGAAAGGCATGGAAGGGGCTGCAGGCTCTGGAGCCC
 AGACATTGCCATGGAGACCCACGACATATGAAGCTAGACAGACCCTTCGTCATGATGATCTATGAGAA
 TTTTCATGCCTTCCATGATCTTCTGGCAAGGTTTATGACCCTAGTGGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >MR206495 representing NM_026535
 Red=Cloning site Green=Tags(s)

MTRMLDLGLFPAGLLTVKGLLQDRDAPDMYDSPVRVQEWGKKDARQLARHNMEFGFKLLQRLASNSPRG
 NIFLSPLSISTAFSMLSLGAQNSTLEEIREGFNFKEMSNRDVHAAFHYLLHKLNQETEDTKMNLGNALFM
 DQKLRPQQRFLNLAKNVYDADMVLTNFQDLENTQKDINRYISRKTHSRIKNMVKSIDPGTVMILTNYIYF
 RGRWQYEFDPKQTKEEFFIEKGTKVKVPMMFQRGLYDMAYDSQLSCTILEIPYRGNITATFVLPDNGKL
 KLLLEQGLQADIFAKWKSLLSKRVVDVWPKLRISSTYNMKKVL SRLGSKIFEENGDLTRISHRSLKVG
 EAVHKAELKMDEKMEGAAGSGAQLP METPRHMKLDRPFVMMIYENFMPSMIFLARVYDPSG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9005_f05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_026535

ORF Size: 1239 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_026535.1](#), [NM_026535.2](#), [NP_080811.1](#)

RefSeq Size: 3690 bp

RefSeq ORF: 1242 bp

Locus ID: 68054

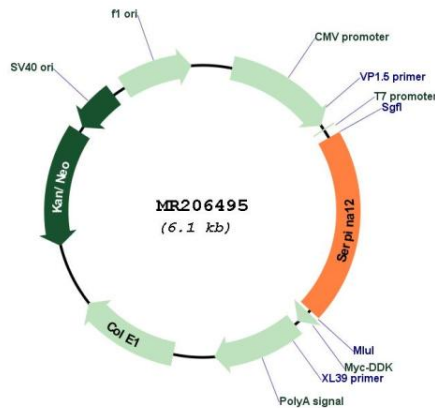
UniProt ID: [Q7TMF5](#)

Cytogenetics: 12 E

MW: 48.1 kDa

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 MR206495