

Product datasheet for MR206592

Serpinh1 (NM_001111044) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Serpinh1 (NM_001111044) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Serpinh1 |
| Synonyms: | BERF-1; Cbp1; Cbp2; gp46; Hsp47; J6; Serpinh2 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >MR206592 representing NM_001111044 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCGCTCTCCTTCTGGGCACCTTATGCCTCTTGCCGTGGCCCTGGCAGCCGAGGTGAAGAAACCC
TAGAGGCGGCAGCCCTGGTACTGCGGAGAAGCTAAGTCCAAGGCGACCACACTGGCAGAGCGCAGCAC
AGGCTGGCCTCAGCCTATATCAGGCGATGGCCAAAGACCAGGCGGTGGAGAACATCCTCTGTCACCC
TTGGTGGTGGCCTCATCCCTGGTCTTGTGTCACTGGTGGTAAAGCCACCACAGCGTCGCAGGCGAAGG
CAGTGCTGAGCGCTGAGAAGCTGCGCGATGAGGAGGTGCACACGGGGCTGGGTGAGCTGCTCCGCTCCCT
CAGCAACTCCACTGCGCGCAACGTGACCTGGAACTGGGCAAGCCGCTGTACGGGCCAGCTCCGTGAGC
TTCGCCGATGACTTCGTGCGCAGCAGCAAGCAACTACAACACTGCGAACACTCCAAGATCAACTCCGAG
ACAAGCGCAGCGCCCTGCAGTCCATCAACGAGTGGGCCTCGCAGACCACGGACGGCAAGCTGCCTGAGGT
CACCAAGGATGTGGAGCGCACGGATGGGGCACTGCTTGTGAACGCCATGTTCTTTAAGCCACACTGGGAT
GAGAAGTTTCACCACAAGATGGTGGACAACCGTGGCTTCACTGGTACCCGCTCCTATACTGTGGGTGTTA
CGATGATGCACCGGACAGGCCTGTACAACACTATGACGACGAGAAGGAGAAGCTGCAGATGGTGGAGAT
GCCCCTGGCTCACAAGCTCTCCAGCCTCATCATCTCATGCCCAACCACGTGGAGCCGCTCGAGCGCTTG
GAGAAGCTGCTGACCAAGGAGCAGCTGAAGGCCCTGGATGGAAAGATGCAGAAGAAGGCTGCGCCATCG
CCCTGCCCAAGGCGTGGTGGAGGTGACCCATGACCTGCAGAAACATCTGGCAGGACTGGGCTGACCCGA
GGCCATCGACAAGAACAAGGAGACCTATCGCGCATGTCTGGCAAGAAGGACCTGTACCTAGCCAGTGTG
TTCCATGCCACTGCCTTCGAGTGGGACACCGAGGGCAACCCCTTTGACCAAGACATCTACGGGCGCGAGG
AGCTGCGCAGCCCAAGCTGTTCTATGCCGACCACCCCTTCATCTTCTGGTGGCAGATAATCAGAGCGG
CTCCTTGCTCTTCATTGGCCGCTGGTCCGCCCAAGGGAGACAAGATGCGAGATGAGTTG

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR206592 representing NM_001111044
 Red=Cloning site Green=Tags(s)

MRSLLLGLTCLLAVALAAEVKKPLEAAAPGTAEKLSSKATTLAERSTGLAFSLYQAMAKDQAVENILLSP
 LVVASSLGLVSLGGKATTASQAKAVLSAEKLRDEEVHTGLGELLRSLSNSTARNVTWKLGSRLYGPSSVS
 FADDFVRSSKQHYNCEHSKINFRDKRSALQSINEWASQTTDGKLPVTKDVERTDGALLVNAMEFKPHWD
 EKFFHHKMVDNRGFMVTRSYTVGVTMMHRTGLYNYDDEKEKLQVEMPLAHKLSLIIILMPHHVEPLERL
 EKLLTKEQLKAWMGKMQKKAVALSLPKGVVEVTHDLQKHLAAGLGLTEAIDKNKADLSRMSGKLDLYLASV
 FHATAFEWDTGPNPFDQDIYGREELRSPKLFYADHPFIFLVRDNQSGSLLFIGRLVRPKGDKMRDEL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001111044

ORF Size: 1251 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_001111044.1](#), [NP_001104514.1](#)

RefSeq Size: 2229 bp

RefSeq ORF: 1254 bp

Locus ID: 12406

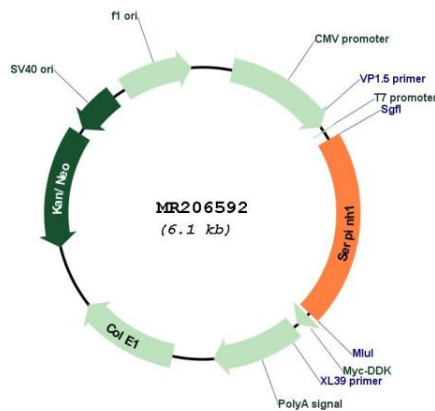
UniProt ID: [P19324](#)

Cytogenetics: 7 E1

MW: 46.5 kDa

Gene Summary: Binds specifically to collagen. Could be involved as a chaperone in the biosynthetic pathway of collagen.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206592