

Product datasheet for **RC215905**

Statherin (STATH) (NM_001009181) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Statherin (STATH) (NM_001009181) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: STATH
Synonyms: STR
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC215905 representing NM_001009181
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGTTCCTTGCTTTGCCTTCATCTTGCTCTCATGGTTTCCATGATTGGAGCTGATTCATCTGAAG
AGTATGGGTATGGCCCTTATCAGCCAGTCCAGAACCACTATACCCACAACCATACCAACCACAATA
CCAACAATATACCTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC215905 representing NM_001009181
Red=Cloning site Green=Tags(s)

MKFLVFAFILALMVSMIGADSSEEYGYGPYPVPEQPLYPQYPQYQYTF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-Mlul

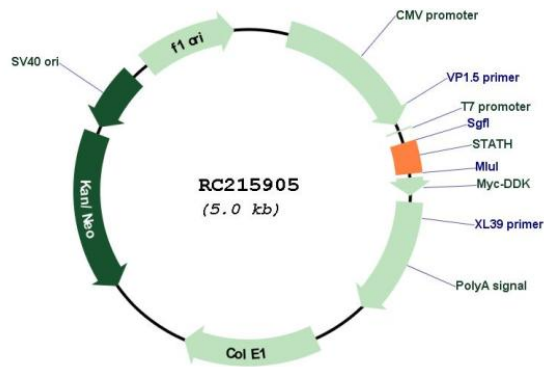


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001009181
 ORF Size: 156 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: | <ol style="list-style-type: none">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_001009181.2 |
| RefSeq Size: | 578 bp |
| RefSeq ORF: | 159 bp |
| Locus ID: | 6779 |
| UniProt ID: | P02808 |
| Cytogenetics: | 4q13.3 |
| Protein Families: | Secreted Protein |
| MW: | 5.9 kDa |
| Gene Summary: | Salivary protein that stabilizes saliva supersaturated with calcium salts by inhibiting the precipitation of calcium phosphate salts. It also modulates hydroxyapatite crystal formation on the tooth surface.[UniProtKB/Swiss-Prot Function] |