

Product datasheet for **RR213501**

Steap3 (NM_133314) Rat Tagged ORF Clone

Product data:

| | |
|--------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Steap3 (NM_133314) Rat Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Steap3 |
| Synonyms: | MGC93147 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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ORF Nucleotide Sequence:

>RR213501 representing NM_133314
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCGGGGAGATGGACAAACCGCTCATCAGTCGCCCTTGGTGGACAGTGATGGCAGTCTGGCTGAGG
 TCCCAAGGAGGCTCCCAAAGTGGGCATCTGGGCAGCGGGATTTTGCCTGGTCCCTGGCCACACGCCT
 GGTGGGCTCTGGCTTCTTTGTGGTGGTGGGAAGCCGTAACCCCAAACGCACTGCCGGCTCTTCCCTCC
 TTAGCCCAAGTGACTTTCCAGGAGGAGCCGTGAGCTCTCCAGAGGTATCTTTGTGGCCGTGTTCCGGG
 AGCACTACTCCTCACTGTGCAGTCTTGCTGACCAGTTGGCTGGCAAGATCCTAGTGGATGTAAGCAACCC
 CACGGAGAAGGAGCGTCTTCAGCACCGCCAGTCGAACGCCGAGTACCTGGCTCCCTCTTCCCTGCCTGC
 ACTGTGGTCAAGGCCCTCAACGTCATCTCTGCATGGGCCCTACAGGCTGGCCCAAGGGATGGGAACAGGC
 AGGTGCTCATCTGCGGTGACCAGCTGGAAGCCAAGCACACCGTCTCAGAGATGGCGCGCCATGGGTTT
 CACCCCACTGGACATGGGATCCCTGGCCTCAGCGAGGGAGGTAGAGGCCATACCCCTGCGCTCCTTCCA
 TCCTGGAAGGTGCCACCCCTCCTGGCCCTGGGGCTAAGCACACAAGCTATGCCTACAACCTCATCCGGG
 ACGTTCTACAGCCGTACATCCGGAAGATGAGAACAAGTTCTACAAGATGCCCTGTCTGTGGTCAACAC
 CACGATACCCTGTGTGGCTTACGTGCTGCTGTCCCTGGTTTACCTGCCTGGTGTGCTGGCAGCTGCCCTT
 CAGCTGAGGAGGGGACCAAGTACCAGCGCTTCCAGACTGGCTGGACATTGGCTGCAGCACCGCAAGC
 AGATCGGGCTACTCAGCTTTTTTTTCGCATGCTGCACGCTCTCTACAGTTCTGCCTGCCGCTGCGCCG
 CTCCCACCGCTATGATCTGGTCAACCTGGCTGTGAAGCAGGTCTGGCCAACAAGAGCCGCTCTGGGTT
 GAGGAAGAAGTCTGGCGGATGGAGATATACCTGTCCCTGGGTGTGCTGGCTCTGGGATGCTGTCACTGC
 TGGCGGTTACCTCGATCCCTCCATTGCAAACTCACTCAACTGGAAGGAGTTTCACTTTGTGCAGTCCAC
 GCTGGGCTTCGTGGCCCTGATGCTGAGCACAATGCACACCCCTCACCTACGGCTGGACCCGCTTTTGAG
 GAAAACCACTACAAGTTCTACCTGCCACCCACATTACGCTCACGCTGCTCCTGCCCTGTGTATCATCC
 TGGCCAAGGGCTCTTCCCTCCTGCCCTGCCTCAGCCACAGACTACCAAGATCCGCAGGGGCTGGGAGAG
 GGATGGTGCCGTCAAGTTCATGTGCCCTGGCCACACACAGGGGGAGAAAACAAGCCACGTG

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR213501 representing NM_133314
 Red=Cloning site Green=Tags(s)

MSGEMDKPLISRRLVSDGSLAEVPKEAPKVGILGSGDFARSLATRLVSGGFFVVVGSRNPKRTAGLFPS
 LAQVTFQEEAVSSPEVIFVAVFREHYSSLCSLADQLAGKILVDVSNPTEKERLQHRQSNAEYLAFLFPAC
 TVVKAFNVISAWALQAGPRDGNRQVLICGDQLEAKHTVSEMARAMGFTPLDMGSLASAREVEAIPRLRLP
 SWKVPTLLALGLSTQSYAYNFIRDVLQPYIRKDENKFYKMPLSVVNTTIPCVAYVLLSLVYLPGLAAAL
 QLRRGTYQRFPDWLDHWLQHRKQIGLLSFFFAMLHALYSFCLPLRRSHRYDLVNLAVKQVLANKSRLWV
 EEEVWRMEIYLSLGVLALGMLSLAVTSIPSIANSLNWKEFSFVQSTLGFVALMLSTMHTLTYGWTRAFE
 ENHYKFYLPPTFTLTLLLPCVIIILAKGLFLLPCLSHRLTKIRRGWERDGAVKFMLPAGHTQGEKTSHV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

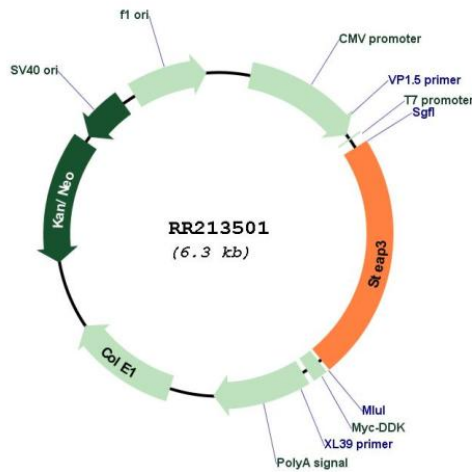
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_133314

ORF Size:

1464 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_133314.1](#), [NP_579848.1](#)

RefSeq Size: 2707 bp

RefSeq ORF: 1467 bp

Locus ID: 170824

UniProt ID: [Q5RKL5](#)

Cytogenetics: 13q11

MW: 54.6 kDa

Gene Summary: induces apoptosis; inhibits prostate tumor growth in some cell lines [RGD, Feb 2006]