

Product datasheet for **RR203210**

Steap2 (NM_001107846) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Steap2 (NM_001107846) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Steap2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR203210 representing NM_001107846
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAATCCATCTCTATGATGGGAAGCCCTAAGACCCCTGGAGACGTTTTTGCCTAATGGCATAAACGGTA
 TCAAAGACGCAAGGAAGGTCACCGTGGGGTGATAGGAAGTGGGATTTTGCCAAGTCTCTGACCATTCCG
 GCTTATCAGGTGCGGCTATCACGTGGTCATCGGAAGCAGAAATCCTAAGTTCGCGCTGAGTTTTTCTCT
 CATGTGGTAGACGTCACCCACCATGAAGACGCTTTAACGAAGACAAATATAATATTCGTGGCTATCCATA
 GAGAACATTACACATCCCTGTGGGACCTGAGGCATCTGCTGGTGGGCAAAGTCTCATTGATGTAAGCAA
 CAACATGAGAGTAAACCAGTACCAGAATCCAATGCAGAGTACCTGGCTTCGTTATTTCCGGATCCCTG
 ATTGTCAAGGGGTTAATGTGATCTCAGCCTGGGCACTCAGTTAGTCCCAAGGATGCCAGCCGCCAGG
 TTTATATATGCAGCAACAATATCCAAGCTCGACAACAGGTTATTGAGCTCGCCCGTCAGTTGAATTTTAT
 TCCCGTCGACTTGGGATCTTTGTCGTAGCCAAGGAGATTGAAAATTTACCCCTGCGACTGTTCACTCTC
 TGGAGGGGGCCAGTGGTAGTAGCCATAAGTTTGGCCACGTTTTTCTTTATTTATTCTTTGTCAGGGATG
 TGATCCATCCCTATGCCAGAAACCAGCAGAGTGACTTTTACAAGATTCCTATTGAGATTGTGAACAAAAC
 GTTGCCTATAGTCGCTATCACTCTGCTGTCCCTGGTATACCTGGCAGGCCTCTGGCAGCTGCCTATCAG
 CTTTATTACGGAACGAAGTACCGTAGGTTTCCGCCGTGGTTGGACACCTGGTTACAGTGCAGGAAACAGC
 TGGGGTTGTTGAGCTTTTTCTTTGCCGTGGTCCACGTTGCCTACAGCCTCTGCTTACCAATGAGGAGGTC
 GGAAGATACTTGTCTCAACATGGCTTATCAGCAGGTTATGCGAATATTGAAAATGCTTGAATGAG
 GAAGAGGTTTGGAGGATCGAGATGTACATCTCCTTCGGCATCATGAGCCTGGGCTTACTGTCCCTGCTGG
 CAGTCACTTCCATCCCTCAGTGAAGCAACGCCTTAACTGGAGGGAGTTTCACTTTTATTCACTCTACGCT
 TGGCTACGTCGCCCTGCTCATCACAACTTCCAGTGTTAATTTACGGATGGAACCGCGCTTTGCGGAA
 GAGTACTACCGCTTTTACACGCCGCAAACTTTGTTCTTGCCTTGTCTTGCCTCCATTGTACTCTCGG
 GTAAGATGATGTTACTCTCCCGTGCATAGGCCGAAAGCTCAAACGGATTAAGGAGGCTGGGAAAAGAG
 CCAGTTTCTAGAGGAGGCATGGGAGGAACTGTTCTCATCTGTCCCTGAGAGGGTCACAGTGATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR203210 representing NM_001107846
 Red=Cloning site Green=Tags(s)

MESISMMGSPKLTLETFLPNGINGIKDARKVTVGVI GSGDFAKSLTIRLIRCGYHVIVIGSRNPKFASEFFP
 HVVDVTHHEDALTKTNIIFVAIHREHYTSLWDLRHLLVGKVLIDVSNMVRVNPQYSPESNAEYLAFLPDSL
 IVKGFNVISAWALQLGPKDASRQVYICSNNIQARQVIELARQLNFIPVDLGSLSAKEIENLPLRFTL
 WRGPVVVAISLATFFFIYSFVRDVIHPYARNQQSDFYKIPVIVNKTLPVIVAITLLSLVYLAGLLAAAYQ
 LYYGTYRRFPWLDTWLQCRKQLGLLSFFFVAVHVAYSCLPMRRSERYLFLNMAYQQVHANIEANWNE
 EEVWRIEMYISFGIMSLGLLSLLAVTSIPSVSNALNWREFSFIQSTLGYVALLITTFHVLIIYGWKRAFAE
 EYRYFYTPPNFVLAFLVPSIVLLGKMMLLLPCIGRKLKRIKKGWEKSQFLEEGMGGTVPHLSPERVTVM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

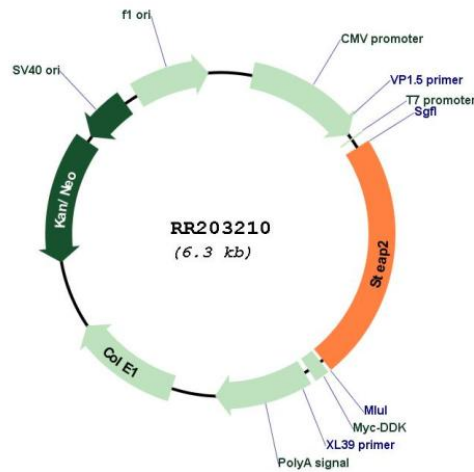
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001107846

ORF Size: 1467 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_001107846.1](#), [NP_001101316.1](#)

RefSeq Size: 3479 bp

RefSeq ORF: 1470 bp

Locus ID: 312052

Cytogenetics: 4q13

MW: 55.8 kDa