

Product datasheet for **RR208072**

Stk4 (NM_001107800) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stk4 (NM_001107800) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Stk4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR208072 representing NM_001107800
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGAGACCGTGCAACTGAGGAACCCACCGCGCAGGCAGCTGAAAAAGTTGGATGAAGATAGTTAACTA
 AACAGCCAGAAGAAGTGTGGTGTCTTAGAGAACTTGGAGAAGGGTCTTATGGCAGCGGTACAAGGC
 GATTACAAAGAGACCGGCCAGATTGTCGCCATCAAGCAGGTGCCCGTGGAGTCGGACCTGCAGGAGATA
 ATCAAGGAAATCTCGATAATGCAGCAGTGTGACAGCCACATGTCGTCAAATACTATGGCAGCTACTTTA
 AGAACACGGACCTGTGGATTGTTATGGAGTACTGTGGGCTGGTTCTGTATCCGATATTATTCGGCTCCG
 AAACAAGACGTTAACAGAAGATGAAATAGCTACAATATTACAATCAACTCTTAAAGGATTAGAATACCTT
 CATTTTATGAGAAAAATACACCGAGATATCAAGGCGGGAATATTTTGTAAACACAGAAGGCCATGCAA
 AGCTTGCAGACTTTGGAGTCGCAGGCCAATTACAGATACCATGGCAAAGAGGAATACAGTGATAGGGAC
 ACCGTTTTGGATGGCTCCTGAAGTTATTCAGGAAATCGGGTACAACCTGTGTGGCAGACATCTGGTCTCTG
 GGAATCACGGCCATAGAAATGGCTGAAGGAAAGCCCCATACGCTGACATCCATCCAATGAGGGCAATAT
 TCATGATTCCTACAAACCTCCTCCACATTCCGTAAGCCCGAGGTGTGGTCCGGAACCTTCATGGATT
 CGTGAAGCAGTGTCTGGTAAAAAGCCCGGAGCAGAGGCCACAGCCACTCAGCTCCTCCAGCACCCGTTT
 GTTAAGAGCGCCAAGGGAGCGGCCATACTGCGAGACTTAATTAACGAGGCCATGGACGTGAAACTGAAGC
 GCCAGGAAGCCCAGCAGCGGGCAGTGGACCAGGACGACGATGAGAAGTCAAGAGGAGGATGAAATGGACTC
 TGGCAGCATGGTTCGAGTCGCGGTGATGACATGGGACTGTCCGAGTAGCCAGCAGCATGAGCGGGCGGA
 GCCAATACTATGATTGAGCACGGTGACACATTGCCATCCCAGCTGGTACCATGGTGATCAACACGGAGG
 ATGAGGAAGGGAAGGAACCATGAAAAGGAGAGATGAGACCATGCAGCCTGCAAAAACCGCTTTTTTTTGA
 ATACTTTGAACAAAAAGAAAAGGAAAATCAGATCAACAGCTTTGGCAAGAATGTATCTGGCTCTCTGAAG
 AATTTCTCAGATTGAAAAATACCTCAGGATGGAGACTACGAGTTTCTGAAGAGCTGGACTGTGGAGGACC
 TTCAGAAGCGGCTCTCTGCCCTCGACCCATGATGGAGCAGGAAATGGAAGAGATCCGGCAGAAATACCG
 CTCCAAGCGGCAGCCAATCCTGGATGCCATCGAAGCCAAGAAGAGGAGGCAACAGAACTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR208072 representing NM_001107800
 Red=Cloning site Green=Tags(s)

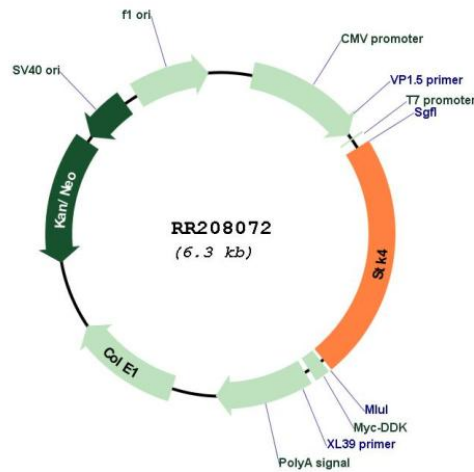
METVQLRNPPRRQLKKLDEDSLTKQPEEVFDVLEKLEGSYGSVYKAIHKETGQIVAIKQVPVESDLQEI
 IKEISIMQQCDSPHVVKYYGSYFNKNDLWIVMEYCGAGSVSDIIRLRNKTLTEDEIATILQSTLKGLEYL
 HFMRKIHRDIKAGNILLNTEGHAKLADFGVAGQLTDTMAKRNTVIGTPFWMAPEVIQEIYNCVADIWSL
 GITAIEMAEGKPPYADIHPMRAIFMIPTNPPPTFRKPEVWSDNFMDFVKQCLVKSPEQRATATQLLQHPF
 VKSAKGAAILRDLINAMDVCLKRQEAQRAVDQDDENSEEDEMDSGTMVRAAGDDMGTVRVASTMSGG
 ANTMIEHGDTLPSQLGTMVINTEDEEEETMKRRETMQPAKPSFLEYFEQKEKENQINSFGKNVSGSLK
 NSSDWKIPQDGDYEFKSWTVEDLQKRLSALDPMMEQEMEEIRQKYRSKRQPIIDAIEAKRRQQNF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_001107800

ORF Size: 1461 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_001107800.1](#), [NP_001101270.1](#)

RefSeq Size: 5229 bp

RefSeq ORF: 1464 bp

Locus ID: 311622

Cytogenetics: 3q42

MW: 55.4 kDa