

Product datasheet for **RR209559**

Stac2 (NM_001108834) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stac2 (NM_001108834) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Stac2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR209559 representing NM_001108834 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACCGAAATGAGCGAGAAGGAGAATGAACCGGATGACGCGGCCACCCATACTCCCCAGGGACCGTCT
 CCACCCCTCAAGAAACCAAGCTCCAGCGATTTAAGCGTTCCCTCTCCCTCAAACTATCCTTCGAAGTAA
 GAGTGTGGAGAACTTCTCCTCCGCTCAGGCTCTGAGCTGAAGTGCCCAACAGAGGTGCTGCTGACACCA
 CCAACCCCACTGCCTCCTCCTTCTCCACCACCTGCCTCCACAGACAGGGGTCTACCCACCCCGACCCCT
 CTCGGTGCCCACTCCCTCGCCCTTGGCACCACTCAAACCACTGAGGCTGCACAGCTTCCAGGAACACGT
 CTTCAAGAGAGCCAGCCCTTGTGAGCTGTGCCACCACTCATTGTGGGGACCAAGGGAAGGTGGACCCA
 GTTTATGAGACCTGCGCTACGGCACCTCCCTGGCACTGATGAACCGGTCTAGCTTCAGCAGCACGTCTG
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 AGAAGAGGGACCTGGTGACAGTGATTACAGCCCCAGTGGAGAGTGAAGGCTCAGGAGCAGAGGAGAAG
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 TCTACAAGTTCCTGCCCCAGGAGAACAATGACCTGGCACTGCAGCCCGGAGATCGGATCATGCTGGTGGA
 TGACTCTAACGAAGACTGGTGAAGGGCAAGATCGGCGACCGGTTGGCTTCTCCCGCCAATTTGTG
 CAGCGGTTGAGGCCGGGAGAGAATGTTTGGCGATGCTGTCAGCCCTTCTCTGAAACAAGGAGCAAGTT
 ACATGAGTCTCAAGGAGAATCAGATTTGCGTGGCGTGAGCAGAAGCAAGGATAGTGATGGCTTCATCCG
 CGTCAGCAGTGGCAAGAAGCGGGTTTGGTGCCAGTCTGACTCCTTGGCAGAGATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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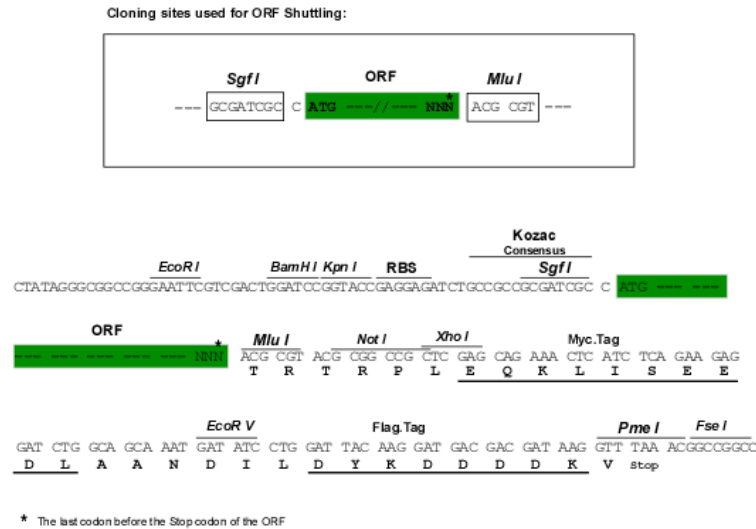
Protein Sequence: >RR209559 representing NM_001108834
 Red=Cloning site Green=Tags(s)

MTEMSEKENEPDDAATHTPPGTVSTLQETKLQRFKRSLSLKTILRSKSVENFFLRSGSELKCPTEVLLTP
 PTPLPPSPPPASTDRGLPTPTSPPCVPRPLAPLKPVRLHSFQEHVFKRASPCELCHQLIVGTSGKVDP
 VYETLRYGTSLALMNRSSFSSSTSESPTRSLSERDELTEDEGSIRSSEEGPGDSVFTAPVESESGAEK
 SPGQQPPKLPVRKDVGPMSYVALYKFLPQENNDLALQPGDRIMLVDDSNEDWWKGIKIDRVGFFPANFV
 QRVRPGENVWRCQPFSGNKEQGYMSLKENQICVGVSRKSDSGFIRVSSGKKRGLVPVDSLAEI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001108834

ORF Size: 1035 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_001108834.1, NP_001102304.1

RefSeq Size: 2880 bp

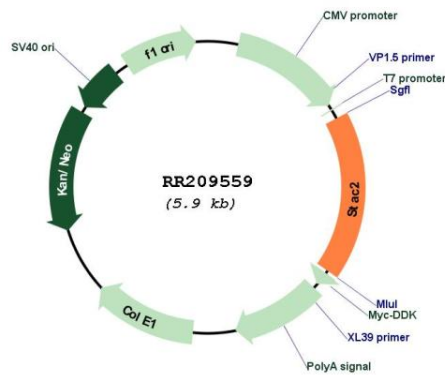
RefSeq ORF: 1038 bp

Locus ID: 363674

Cytogenetics: 10q31

MW: 37.9 kDa

Product images:



Circular map for RR209559