

Product datasheet for MR206459

Stap2 (NM_145934) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stap2 (NM_145934) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Stap2
Synonyms:	AW049765; STAP-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206459 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCACAGCCCTGAGTCCACCCCGGGTCCCAAGCTCAAAGGTGCTCCACCTCACACTACTACGAGA
GCTTCCTAGAGAAAAAGGGACCTGTGACCAGGATTACAGGAAGTTCTGGGCAGGCCTCCAGGGTTTAGC
CATCTGTTTCTACAATAGCAATCGGGACTTGCAGCCCTGGAAAAGCTGGACCTGAGGCTGTTTTCAAAG
CTCAGAGATGAGGCTCTGCTGGGAAGCTCACGGGACACTGCCTATCACTTCAGCCTGGTTCTCCGGGACC
AGGAGGTGAAATCAAGGTGGAGAGCCTGGAGTCTTGTGAGATGTGAAAAGGATTTATCTTGACTGTGGT
AGAGCTCCGTGTCCCATCTAACCTGACCCCTGTGCCCGGACACCTGTACATGATGGCCGAGGTCCTGACC
AAAGAGGAGGTACGGAGGGCAGCCGAGGTGCCCTGGTGCTTTCTCAGGTGAGCAGGCTCGAGGCGCAGC
TGCTCCTGGAGCGCTACCCAGAGTGCGGAACTGCTTCTGCGGCCTGGCGGGATGGCAAGGACAGTGT
GTCTGTCAACCACCCGGCAGATTCTCAATGGGTCTCCCGTGGTCAAACACTACAAAGTGAAGCGGGCAGGT
TCTAAGTATGTGATCGACGTGGAAGACCCGTTTTCTGCCCTCGCTGGAAGCTGTAGTCAACTATTTTG
TGACGCACACCAAGAGGGCGCTGGTCCCCTTCTGTTGGATGAGGACTATGAGAAGGTTCTAGGCTTCGT
GGACTCGGATCGGGAGAATGGCGAGAGTGCATGGGCTGTGCCCTCCTCCGAGCCTCAGGCCCTGCCCTC
CCTGCTAATGTCTGAAGCCACTCCCACCTGTACCTGTGTGTCCAGCCAGGAAGACAAGTTGCCTC
AACTACCTCCCCTGCCTCAGTTACCAGACCGGATGAGAAGTACGTGACTCCATTGAAGACTCCCAGC
AGCCGAATACATGAATCAGGATGTGTCTCTCCAGTCAGGCAGTCCCTCTGAAGCCCAAGAAGCCGGCA
AGGCTCCCAGCAAAACCCCAAAGCCATCAGTTGTGCCTAAGCCAGATCTCAAAGCCATTACCAGCGTTT
GGACCAGGAAGCTAGGTGGAAGCTCGTCCAGGCTTCTCCCTTGTGACAAGACTGGGGATATCACCGC
TGAGCTGGAAGAGAACTACAGAAGAGGAGGGCACTGGAACAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR206459 protein sequence
 Red=Cloning site Green=Tags(s)

MATALSPPRGPKLKGAPPSHYYESFLEKKGPCDQDYRKFWAGLQGLAICFYNSNRDLQPLEKLDLRLFSLRDEALLGSSRDYAYHFSVLVRDQEVKFKVESLESCEMWKGFIILTVVELRVPSNLTLPGHLYMMAEVLTKEEVRRAAEVPWCFLQVSRLEAQLLLERYPECGNLLLRPGGDGKDSVSVTRQIILNGSPVVKHYKVKRAGSKYVIDVEDPFSCPSLEAVVNYFVTHTKRALVPFLLDEDYEKVLGFVSDRENGESAWAVPSFRASGPALPANVLKPLPPVPSVSSQEDKL PQLPPLPQLPDTDENYVTPIEDSPAAYMNQDVSLSQAVPLPKPKKPARLPAKPPKPSVVPKDLKAITSVWTRKLGSSSQASSLVTRLGDIATAELEEKLQKRRALEH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_145934

ORF Size: 1236 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_145934.3](#)

RefSeq Size: 1532 bp

RefSeq ORF: 1236 bp

Locus ID: 106766

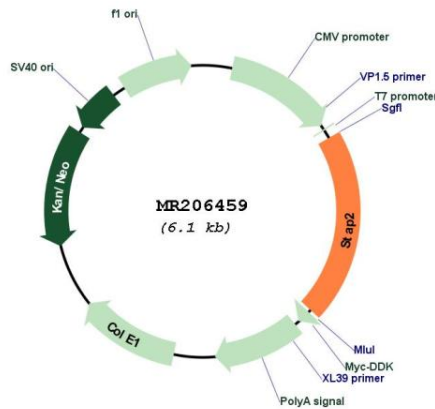
UniProt ID: [Q8ROL1](#)

Cytogenetics: 17 D

MW: 45.8 kDa

Gene Summary: Substrate of protein kinase PTK6 (By similarity). May play a regulatory role in the acute-phase response in systemic inflammation and may modulate STAT3 activity.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206459