

Product datasheet for **RG222763**

STAP2 (NM_017720) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STAP2 (NM_017720) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	STAP2
Synonyms:	BKS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG222763 representing NM_017720
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCTCTGCCCTGAGGCCACCCCGTGTCCCAAGCCTAAGGGTGTCTGCCTTCACTACTATGAGA
 GCTTTCTAGAGAAGAAGGGGCCCTGTGACCGGGATTACAAGAAGTTCTGGGCAGGCCTGCAGGGTCTCAC
 CATTATTTTCTACAATAGCAATCGGACTTCCAGCACGTGGAGAAGCTCAACTTGGGAGCATTGAGAAA
 CTCACAGATGAGATTCCTGGGGAAGCTCACGTGACCCTGGCACCCACTTCAGCCTGATTCTCCGGGATC
 AGGAGATCAAGTTCAAGGTAGAGACCTTGGAGTGTGGGAAATGTGAAAGGCTTCATCTTAACGGTGGT
 GGAGCTCCGTGTCCCGACCGACTTGACCCTGCTTCTGGGCACCTATACATGATGTCTGAAGTCTTGCC
 AAAGAGGAGGCGCGCTGCACTGGAGACACCCTCGTCTTCTGAAGGTGAGCCGGCTGGAGGCACAAC
 TGCTCTGGAGCGCTACCCGAGTGCAGGAACTGCTGCTGCGGCCAGCGGGGACGCGCCGACGGCGT
 GTCGGTACCACGCGGCAGATGCACAACGGGACGCACGTGGTCCGGCATTACAAGGTGAAGCGGGAGGGC
 CCCAAGTACGTGATCGATGTGGAACAGCCGTTCTTTCACCTCCCTGGACGCCGTGGTCAACTATTTTCG
 TGTCGCATACAAAAAGGCGCTGGTGCCATTCTGTTAGACGAGGACTACGAGAAGGTGCTAGGCTACGT
 GGAAGCCGATAAGGAGAAATGGCGAGAATGTGTGGTGGCGCCCTCCGCTCCGGGCCAGGTCTGCACCC
 TGCACAGGTGGCCCAAGCCGCTGTACCTGCGTCTAGCCAGGACAAGCTGCCCCACTGCCCCACTAC
 CGAACCAGGAAGAGAAGTACGTGACCCCATTTGGAGATGGCCAGCTGTTGACTATGAGAACCAAGATGT
 GGCTTCTCTAGTTGGCCAGTCACTCTGAAGCCAAAGAAGTTGCCAAAGCCTCTGCCAAGCTTCCAAG
 CCACCCGTTGGACCAAGCCAGTAGAGAAGGGTTTACCATGTTGCCAGGCTGGTCTCGAACTCTGA
 CCTCAAGTGATCCACCCACCTCAGCCTCCCAAAGTGTGGGATTACCGGGTGGAGCCACACACCTGGCC
 TCATCTGTCTTCTTCCAGAGCCAAAGTCTTTAATGGTGGCTTGGGCAGGAAGCTGCCAGTCAGTTCA
 GCCCAGCCTCTTCCCCACAGCCGGGCTGGCAGACATGACGGCAGAGCTACAGAAGAAGCTGGAGAAGA
 GGCGGGCACTGGAGCAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG222763 representing NM_017720
 Red=Cloning site Green=Tags(s)

MASALRPPRPVKPKGVLP SHYYESFLEKKGPCDRDYKFWAGLQGLTIYFYNSNRDFQHVEKLN LGAFEK
 LTDEIPWGSSRDPGTHFSLILRDQEI KFKVETLECREMWKGFILTVVELRVPTDLTLLPGHLYMMSEVLA
 KEEARRALETPSCFLKVSRLAQ LLLERYPECGNLLLRPSGDGADGVSVTTRQMHNHGHVVRHYKVKREG
 PKYVIDVEQPF SCTLDAVVNYFVSHTKKALVPFLLEDYEVKLVGYEADKENGENVVWAPSAPGPGPAP
 CTGGPKPLSPASSQDKLPPLPLPNQEENYVTPIGDGPVVDYENQDVASSWPVILKPKKLPKPPAKLPK
 PPVGPKEKGFHHVAQAGLELLTSSDPPTSASQSAGITGVSHHTWPHLSSLPEPKVFNGGLGRKLPVSS
 AQLFPPTAGLADMTAELQKKLEKRRALEH

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_017720

ORF Size: 1347 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_017720.3](#)

RefSeq Size: 1557 bp

RefSeq ORF: 1350 bp

Locus ID: 55620

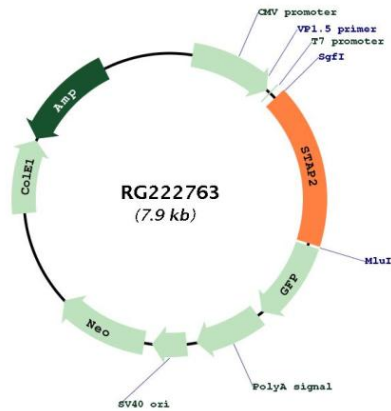
UniProt ID: [Q9UGK3](#)

Cytogenetics: 19p13.3

Gene Summary:

This gene encodes the substrate of breast tumor kinase, an Src-type non-receptor tyrosine kinase. The encoded protein possesses domains and several tyrosine phosphorylation sites characteristic of adaptor proteins that mediate the interactions linking proteins involved in signal transduction pathways. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG222763