

Product datasheet for **RG201518**

STAP2 (NM_001013841) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: STAP2 (NM_001013841) 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)
ORF Nucleotide Sequence: >RG201518 representing NM_001013841
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCTCTGCCCTGAGGCCACCCCGTGTCCCAAGCCTAAGGGTGTCTGCCTCACACTACTATGAGA
GCTTTCTAGAGAAGAAGGGGCCCTGTGACCGGGATTACAAGAAGTTCTGGGCAGGCCTGCAGGGTCTCAC
CATTTATTTCTACAATAGCAATCGGGACTTCCAGCACGTGGAGAAGCTCAACTTGGGAGCATTGAGAAA
CTCACAGATGAGATTCCTGGGAAGCTCACGTGACCCTGGCACCACTTCAGCCTGATTCTCCGGAATC
AGGAGATCAAGTCAAGGTAGAGACCTTGGAGTGTGGGAAATGTGAAAGGCTTCATCTTAACGGTGGT
GGAGTCCGTGTCCCACCGACTTGACCCTGCTTCTGGGCACCTATACATGATGTCTGAAGTCTTGCC
AAAGAGGAGGCGCGCCGTGCACTGGAGACACCCTCGTGCTTCTGAAGGTGAGCCGGCTGGAGGCACAAC
TGCTCCTGGAGCGCTACCCCGAGTGCAGGAACTGCTGCTGCGGCCAGCGGGGACGCGCCGACGGCGT
GTGGTACCACGCGGCAGATGCACAACGGGACGCACGTGGTCCGGCATTACAAGGTGAAGCGGGAGGGC
CCCAAGTACGTGATCGATGTGGAACAGCCGTTCTTGCACCTCCCTGGACGCCGTGGTCAACTATTTTCG
TGTGCGATACCAAAAAGGCGCTGGTGCCATTCTGTTAGACGAGGACTACGAGAAGGTGCTAGGCTACGT
GGAAGCCGATAAAGGAGAATGGCGAGAATGTGTGGTGGCGCCCTCCGCTCCGGGCCAGGTCTGCACCC
TGCACAGGTGGCCCAAGCCGCTGTACCTGCGTCTAGCCAGGACAAGCTGCCCCACTGCCCCACTAC
CGAACCAGGAAGAGAATACGTGACCCCAATTGGAGATGGCCAGCTGTTGACTATGAGAACCAAGATGT
GGTCTCTCTAGTTGGCCAGTCATCCTGAAGCCAAAGAAGTTGCCAAAGCCTCCTGCCAAGCTTCCAAAG
CCACCCGTTGGACCCAAGCCAGAGCCAAAGTCTTTAATGGTGGCTTGGGAGGAAGCTGCCAGTCAGTT
CAGCCCAGCCTCTTCCCCACAGCCGGCTGGCAGACATGACGGCAGAGCTACAGAAGAAGCTGGAGAA
GAGGCGGGCACTGGAGCAC

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG201518 representing NM_001013841
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MASALRPPRPVKPKGVLP SHYYESFLEKKGPCDRDYKKFWAGLQGLTIYFYNSNRDFQHVEKLNLGAFEK
 LTDEIPWGSSRDPGTHFSLILRNQEIKFVETLECREMWKGFILTVVELRVPTDLTLLPGHLYMMSEVLA
 KEEARRALETPSCFLKVSRLAQLLLERYPECGNLLLRPSGDGADGVSVTTRQMHNHGHVVRHYKVKREG
 PKYVIDVEQPFSCSTSLDAVVNYFVSHTKKALVPFLLDEDYEKVLGYVEADKENGENVVWAPSAPGPGPAP
 CTGGPKPLSPASSQDKLPLPLPNQEENYVTPIGDGPVADYENQDVASSWPVILKPKKLPKPPAKLPK
 PPVGPKEPKVFNGLGRKLPVSSAQPLFPTAGLADMTAELQKKLEKRRALEH

TRTRPLE - GFP Tag - V

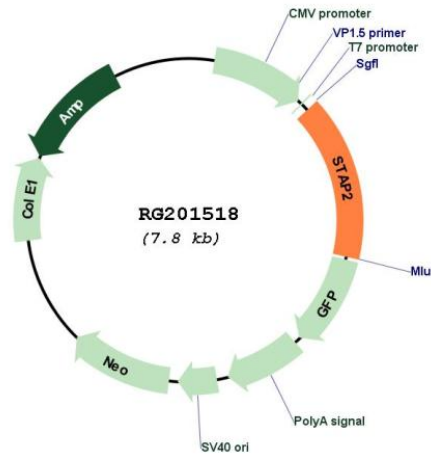
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_001013841

ORF Size:	1209 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:	<ol style="list-style-type: none">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_001013841.1 , NP_001013863.1
RefSeq Size:	1419 bp
RefSeq ORF:	1212 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]