

## Product datasheet for RC201518

### STAP2 (NM\_001013841) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	STAP2 (NM_001013841) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	STAP2
Synonyms:	BKS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC201518 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCTCTGCCCTGAGGCCACCCCGTGTCCCAAGCCTAAGGGTGTCTGCCTCACACTACTATGAGA  
GCTTTCTAGAGAAGAAGGGGCCCTGTGACCGGGATTACAAGAAGTTCTGGGCAGGCCTGCAGGGTCTCAC  
CATTTATTTCTACAATAGCAATCGGGACTTCCAGCACGTGGAGAAGCTCAACTTGGGAGCATTGAGAAA  
CTCACAGATGAGATTCCTGGGGAAGCTCACGTGACCCTGGCACCCACTTCAGCCTGATTCTCCGGAATC  
AGGAGATCAAGTCAAGGTAGAGACCTTGGAGTGTGGGAAATGTGAAAGGCTTCATCTTAACGGTGGT  
GGAGTCCGTGTCCCACCGACTTGACCCTGCTTCTGGGCACCTATACATGATGTCTGAAGTCTTGCC  
AAAGAGGAGGCGCGCCGTGCACTGGAGACACCCTCGTGCTTCTGAAGGTGAGCCGGCTGGAGGCACAAC  
TGCTCCTGGAGCGCTACCCCGAGTGCAGGAACTGCTGCTGCGGCCACGCGGGACGCGCCGACGGCGT  
GTGGTACCACGCGGCAGATGCACAACGGGACGCACGTGGTCCGGCATTACAAGGTGAAGCGGGAGGGC  
CCCAAGTACGTGATCGATGTGGAACAGCCGTTCTTGCACCTCCCTGGACGCCGTGGTCAACTATTTTCG  
TGTGCGATACCAAAAAGGCGCTGGTGCCATTCTGTTAGACGAGGACTACGAGAAGGTGCTAGGCTACGT  
GGAAGCCGATAAAGGAGAATGGCGAGAATGTGTGGTGGCGCCCTCCGCTCCGGGCCAGGTCCTGCACCC  
TGCACAGGTGGCCCAAGCCGCTGTACCTGCGTCTAGCCAGGACAAGCTGCCCCACTGCCCCACTAC  
CGAACCAGGAAGAGAATACGTGACCCCATTTGGAGATGGCCAGCTGTTGACTATGAGAACCAAGATGT  
GGCTTCTCTAGTTGGCCAGTCATCCTGAAGCCAAAGAAGTTGCCAAAGCCTCCTGCCAAGCTTCCAAAG  
CCACCCGTTGGACCAAGCCAGAGCCAAAGTCTTTAATGGTGGCTTGGGAGGAAGCTGCCAGTCAGTT  
CAGCCCAGCCTCTTCCCCACAGCCGGCTGGCAGACATGACGGCAGAGCTACAGAAGAAGCTGGAGAA  
GAGGCGGGCACTGGAGCAC

**ACGGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA





**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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_001013841.1](#), [NP\\_001013863.1](#)

**RefSeq Size:** 1419 bp

**RefSeq ORF:** 1212 bp

**Locus ID:** 55620

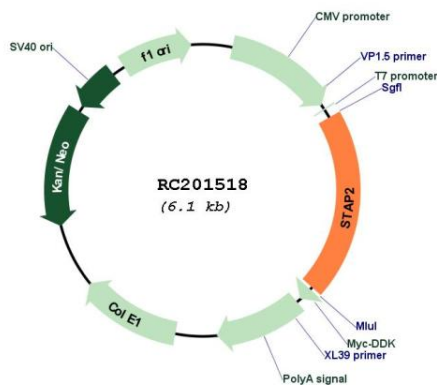
**UniProt ID:** [Q9UGK3](#)

**Cytogenetics:** 19p13.3

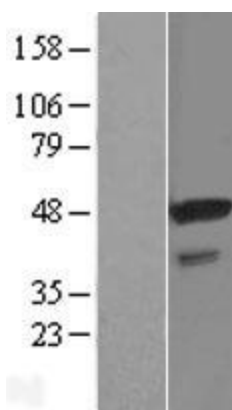
**MW:** 44.9 kDa

**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]

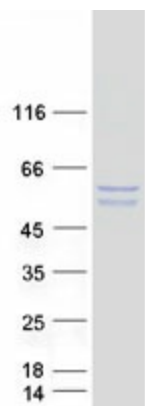
### Product images:



Circular map for RC201518



Western blot validation of overexpression lysate (Cat# [LY423042]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC201518 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified STAP2 protein (Cat# [TP301518]). The protein was produced from HEK293T cells transfected with STAP2 cDNA clone (Cat# RC201518) using MegaTran 2.0 (Cat# [TT210002]).