

## Product datasheet for **RG204760**

### **SHKBP1 (NM\_138392) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	SHKBP1 (NM_138392) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SHKBP1
Synonyms:	PP203; Sb1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide  
Sequence:**

>RG204760 representing NM\_138392  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCAGCAGCGGCTACTGCAGCCGAGGGGTCCCAGTCGGGGGCCTCCCGGGGAAGTCATCCATCTGA  
 ATGTGGGAGGCAAGAGATTCAGTACCTCTCGCCAGACTCTCACCTGGATCCCAGACTCCTTCTTCTCCAG  
 TCTTCTGAGCGGACGCATCTCGACGCTGAAAGATGAGACCGGAGCAATCTTCATCGACAGGGACCTACA  
 GTCTTCGCCCCCATCCTCAACTTCTGCGCACAAAGAGTTGGATCCCAGGGGTGCCACGGTTCACGCC  
 TCCTCCATGAAGCCAGTTCTATGGGCTCACTCCTCTGGTTTCGTCGCTGCAGCTTCGAGAGGAGTTGGA  
 TCGATCTTCTGTGAAACGTCCTCTTCAATGGTTACCTGCCGCCACCAGTGTCCAGTGAAGCGGCGG  
 AACCGGCACAGCCTAGTGGGGCCTCAGCAGCTAGGAGGACGGCCAGCCCCTGCCGACGGAGCAACACGA  
 TGCCCCCAACCTTGGCAATGCAGGGCTGCTGGGCCGAATGCTGGATGAGAAAACCCCTCCCTCACCTC  
 AGGACAACCTGAGGAGCCGGGATGGTGCCTGGTGTGTGGACACCATAATTGGATCGCTGTGGCCTAT  
 ACCCAGTTTCTAGTCTGCTACAGGTTGAAGGAAGCCTCTGGCTGGCAGCTGGTGTTCAGCCCCCGCC  
 TGGACTGGCCATCGAACGACTGGCGCTCACAGCCGGGTGCATGGTGGGGCTTTGGGTGAACATGACAA  
 GATGGTGGCAGCAGCCACCGGCAGCGAGATCCTGCTATGGGCTCTGCAGGCGAAGGCGGTGGTCCGAG  
 ATAGGGGTCTTTCATCTGGGGTGCCTGTGGAGGCCTTGTCTTCGTCGGGAACAGCTCATTGCTACAA  
 GCCACACAGGGCGCATCGGGGTGTGGAATGCCGTACCAAGCACTGGCAGGTCCAGGAGTGCAGCCAT  
 CACCAGTTATGACGCGCAGGCTCCTTCTCCTCTGGGCTGCAACAACGGCTCCATTTACTACGTGGAT  
 GTGCAGAAGTTCCCTTTCGCATGAAAGACAACGACCTCCTTGTGACGAGCTCTATCGGGACCCAGCGG  
 AGGATGGGGTCACCGCCCTCAGTGTCTACCTCACCCCAAGACCAGTGACAGTGGGAACCTGGATCGAGAT  
 CGCCTATGGCACCAAGCTCAGGGGGCGTGCGGGTACGTCGAGCACCCGGAGACTGTGGGCTCGGGCCT  
 CAGCTCTTCCAGACCTTCACTGTGCACCCGAGCCCTGTCACCAAGATCATGCTGTGCGGAGAAGCACCTCA  
 TCTCAGTCTGTGCCGACAACAACACGTCGCGGACATGGTCTGTGACTCGTTCGCGGCATGATTTCCAC  
 CCAGCCCCGCTCCACCCACTCGTTCCTTAAAGATCCTGGCTCTGGAGTCGGCAGATGGGCATGGCGGC  
 TGCAGTGTGGCAATGACATTGGCCCTACGGTGAGCGGGACGACCAGCTAGTGTTCATCCAGAAGGTGG  
 TGCCAGTGCCAGCCAGCTTTCGTGCGTCTCTCATCTACTGGCAGCGGGTGTGCTCCGTGCGCTCCGT  
 GGACGGCTCACCCAGCAGCCCTCACAGTGTGGAGTGCAGGGCTCCCGCGGCTCGGCTCTCGGCC  
 CGGCGCTACCTGCTCACTGGCCAGGCCAACGGCAGCTTGCCATGTGGGACCTAACCCCGCATCTCCCTACC  
 GCCTCGGCCAGGCCCTGCAGGTGGCCTGACGGAGCAAGAGCTGATGGAACAGCTGGAACACTGTGAGCT  
 GGCCCCGCGGCTCCTTCACTCCCTCATGGGGTGTCTCCCAGCCCCTCACCCCGCATCTCCCTACC  
 AGCCTCCACTCAGCTCCAGCAACACCTCCTTGTCTGGCCACCGTGGGAGCCCAAGCCCCCGCAGGCTG  
 AGGCCCGCGCGTGGTGGGGCAGCTTGTGGAACGCTGCCAGGAAGTGGTGGGAGTGGGCCAGACCT  
 CCGACGGCCACCCACACCCAGCCCCGTGGCCCTCCAGCGGTCTCGGCACTCCCTCACACCTCCAAGATG  
 AAGCTCAATGAACTTCCTT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG204760 representing NM\_138392  
 Red=Cloning site Green=Tags(s)

MAAAATAAEGVPSRGGPPGEVIHLNVGGKRFSTSRQTLTWIPDSFFSLLSGRISTLKDGTGAIIFIDRDPT  
 VFAPILNFLRTKELDPRGVHGSSLLHEAQFYGLTPLVRRQLREELDRSSCGNVLFNGYLPPPVPVKRR  
 NRHSLVGPQQLGGRPAPVRRSNTMPPNLGNAGLLGRMLDEKTPPSPSQPEEPMVRLVCGHHNWIAVAY  
 TQFLVCYRLKEASGWQLVFSSPRLDWPIERLALTARVHGGALGEHDKMVAATGSEILLWALQAEGGGSE  
 IGVFHLGVPVEALFFVGNQLIATSHTRIGVWNAVTKHWQVQEVQPITSYDAAGSFLLLCNNGSIYYVD  
 VQKFPLRMKDNDLLVSELYRDP AEDGVTALSVYLTPKTSDSGNWIEIAYGTSSGGVRVIVQHPETVGS  
 QLFQFTVHRSPVTKIMLSEKHLISVCADNNHVRTWSVTRFRGMISTQPGSTPLASFKILALEADHG  
 CSAGNDIGPYGERDDQLVFIQVVPASQLFVRLSSTGQVRVCSVSDGSPPTAFVLECEGSRRLGSRP  
 RRYLLTGQANGSLAMWDLTTAMDGLGQAPAGGLEQELMEQLEHCELAPPAPSAPSWGCLPSPSPRISLT  
 SLHSASSNTSLSGHRGSPSPQAEARRRGGGSFVERCQELVRSGLPDLRRPPTPAPWPSSGLGTPLTPPKM  
 KLNETSF

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



ACCN: NM\_138392

ORF Size: 2121 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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\\_138392.2](#)

**RefSeq Size:** 2362 bp

**RefSeq ORF:** 2124 bp

**Locus ID:** 92799

**UniProt ID:** [Q8TBC3](#)

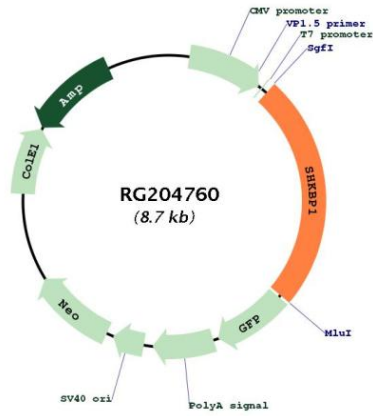
**Cytogenetics:** 19q13.2

**Domains:** BTB, WD40, K\_tetra

**Protein Families:** Ion Channels: Other

**Gene Summary:** Inhibits CBL-SH3KBP1 complex mediated down-regulation of EGFR signaling by sequestration of SH3KBP1. Binds to SH3KBP1 and prevents its interaction with CBL and inhibits translocation of SH3KBP1 to EGFR containing vesicles upon EGF stimulation.  
[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG204760