

Product datasheet for **RG205714**

SH3BP5L (NM_030645) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	SH3BP5L
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PSI00010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG205714 representing NM_030645
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTGAGCTCAGACAGGTTCCAGGAGGGCGGGAGACCCACAGGGGAGCTGCGGCCTGAAGTTGTAG
AGGATGAAGTCCCTAGGAGCCAGTCGAGAAGAGCCTGGAGAGGTGGAAGCAGCAGCAGTGAGGCCAA
ATTGTCCCAAGAGAGGAGGAAGAAGTGGATCCTAGAATACAGGAGGAGTTGGAGCACCTGAACCAAGGCC
AGCGAGGAGATCAACCAGGTGGAACACAGCTGGATGAGGCCAGGACCACCTATCGGAGGATCCTACAGG
AGTCGGCGAGGAACTGAATACACAGGGTCCCACTTGGGAGCTGCATCGAGAAAGCCGGCCCTACTA
TGAGGCTCGGCGGCTGGCTAAGGAGGCTCAGCAGGAGACACAGAAGGCAGCGCTGCGGTACGAGCGGGCC
GTAAGCATGCACAACGCTGCTCGAGAAATGGTGTGTTGTGGCTGAGCAGGGCGTCATGGCTGACAAGAACC
GACTGGACCCACGTGGCAGGAGATGCTGAACCATGCTACCTGCAAGGTGAATGAGGCGGAGGAAGAGCG
GCTTCGAGGTGAGCGGGAGCACCAGCGAGTGACTCGGCTGTGCCAACAGGCTGAGGCTCGGGTCCAAGCC
CTGCAGAAGACCCCTCGGAGGGCCATCGGCAAGAGCCGCCCTACTTTGAGCTCAAGGCCCAGTTACGCC
AGATCCTGGAGGAGCACAAGGCCAAGGTGACAGAACTGGAGCAGCAGGTAGCTCAGGCCAAGACGCGCTA
CTCCGTGGCCCTTCGTAACCTGGAGCAGATCAGCGAGCAGATTACGCACGGCGCCGCGGGGTTCTGCCT
CCCCACCCCTGGGCCCTCGGCGCTCCTCCCCGTGGGGGCCGAGGCAGACCCGAGGACATGGAGGACG
GAGACAGCGGGATTGAGGGGGCCGAGGTCGCGGGCTGGAGGAGGCAGCAGCTGGGGCCCGCCCCCG
CCCCGACACCGATACCTGAGTCTGCTGAGCCTGCGCACGTTGGCTTCAGACCTGCAGAAAGTGCGACTCC
GTGGAGCACTTGCAGGCTCTCGGACCAGTCAGTCTGGACGGCCAAGAGCTGGGAACGCGGAGTGGAG
GGCGCCGGGGCAGCGACGGCGAGCCGTTGGGGTGGCACCGCAGCGTCAGCCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >RG205714 representing NM_030645
Red=Cloning site Green=Tags(s)

MAELRQVPGGRETPQGELRPEVVEDEVPRSPVAEPPGGGGSSSEAKLSPREEEELDPRIQEELEHLNQA
SEEINQVELQLDEARTTYRRILQESARKLNTQGSHLGSCIEKARPYEARRLAKEAQQETQKAALRYERA
VSMHNAAREMVFAEQVMADKNRLDPTWQEMLNHATCKVNEAEEERLGEREHQVRTRLCQQAEARVQA
LQKTLRRAIGKSRPYFELKAQFSQILEEHKAKVTELEQQVAQAKTRYVALRNLEQISEQIHARRRGGLP
PHPLGPRRSSPVGAEGPEDMEDGDSGIEGAEGAGLEEGSSLGPGFAPDSDLTLLSLRTVASDLQKCD
VEHLRGLSDHVS LDGQELGTRSGGRRGSDGGARGGRHQRSVSL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_030645

ORF Size: 1179 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.

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

RefSeq: [NM_030645.3](#)

RefSeq Size: 3182 bp

RefSeq ORF: 1182 bp

Locus ID: 80851

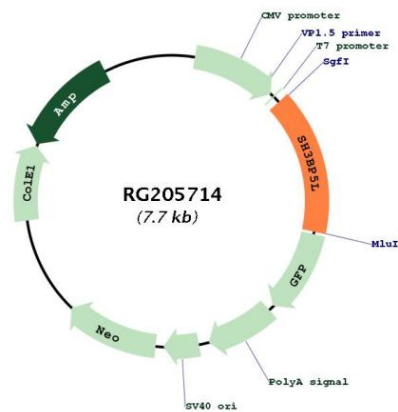
UniProt ID: [Q7L8J4](#)

Cytogenetics: 1q44

Domains: SH3BP5

Gene Summary: Functions as guanine nucleotide exchange factor (GEF) for RAB11A.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG205714