

Product datasheet for RC205714

SH3BP5L (NM_030645) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SH3BP5L (NM_030645) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SH3BP5L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC205714 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGAGCTCAGACAGGTTCCAGGAGGGCGGGAGACCCACAGGGGGAGCTGCGGCCTGAAGTTGTAG
AGGATGAAGTCCCTAGGAGCCCAGTCGCAGAAGAGCCTGGAGGAGGTGGAAGCAGCAGCAGTGAAGCCAA
ATTGTCCCAAGAGAGGAGGAAGAAGTGGATCCTAGAAATACAGGAGGAGTTGGAGCACCTGAACAGGCC
AGCGAGGAGATCAACCAGGTGGAACACAGGTTCCCACTTGGGGAGCTGCATCGAGAAAGCCCGCCCTACTA
AGTCGGCGAGGAACTGAATACACAGGTTCCCACTTGGGGAGCTGCATCGAGAAAGCCCGCCCTACTA
TGAGGCTCGGCGGCTGGCTAAGGAGGCTCAGCAGGAGACACAGAAGGCAGCGCTGCGGTACGAGCGGGCC
GTAAGCATGCACAACGCTGCTCGAGAAATGGTGTGGTGGCTGAGCAGGGCGTTCATGGCTGACAAGAACC
GACTGGACCCACGTGGCAGGAGATGCTGAACCATGCTACCTGCAAGGTGAATGAGGCGGAGGAAGAGCG
GCTTCGAGGTGAGCGGGAGCACCAGCGAGTACTCGGCTGTGCCAACAGGCTGAGGCTCGGGTCCAAGCC
CTGCAGAAGACCCTCCGGAGGGCCATCGGCAAGAGCCGCCCTACTTTGAGCTCAAGGCCAGTTACAGCC
AGATCCTGGAGGAGCACAAGGCCAAGGTGACAGAACTGGAGCAGCAGGTAGCTCAGGCCAAGACGCGCTA
CTCCGTGGCCCTTCGTAACCTGGAGCAGATCAGCGAGCAGATTCACGCACGGCCCGCGGGGTCTGCCT
CCCCACCCCTGGGCCCTCGGCGCTCCTCCCCGTGGGGCCGAGGCAGGACCCGAGGACATGGAGGACG
GAGACAGCGGGATTGAGGGGGCCGAGGGTGCGGGGCTGGAGGAGGCAGCAGCCTGGGGCCCGGCCCCGC
CCCCGACACCGATACCCTGAGTCTGCTGAGCCTGCGCACGGTGGTTCAGACCTGCAAGAAGTGGACTCC
GTGGAGCACTTGCAGGGCCTCTCGGACCAGTCACTGAGCGGCAAGAGCTGGGAACGCGGAGTGGAG
GGCGCCGGGGCAGCGACGGCGGAGCCGTGGGGTTCGGCACACGCGCAGCGTCAAGCCTG

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RC205714 protein sequence
Red=Cloning site Green=Tags(s)

MAELRQVPGGRETPOGELRPEVVEDEVPRSPVAEPPGGGGSSSEAKLSPREEEELDPRIQEELEHLNQA
 SEEINQVELQLDEARTTYRRILQESARKLNTQGSHLGSCIEKARPYEARRLAKEAQQETQKAALRYERA
 VSMHNAAREMVFVAEQGMADKNRLDPTWQEMLNHATCKVNEAEEERLGEREHQRVTRLCQQAERVQA
 LQKTLRRAIGKSRPYFELKAQFSQILEEHKAKVTELEQQVAQAKTRYVALRNLEQISEQIHARRRGGLP
 PHPLGPRRSSPVGAEAGPEDMEDGDSGIEGAEAGLEEGSSLGPGPAPDSDLTLLSLRTVADLQKCDL
 VEHLRGLSDHVSLDGQELGTRSGGRRGSDGGARGGRHQRVSLS

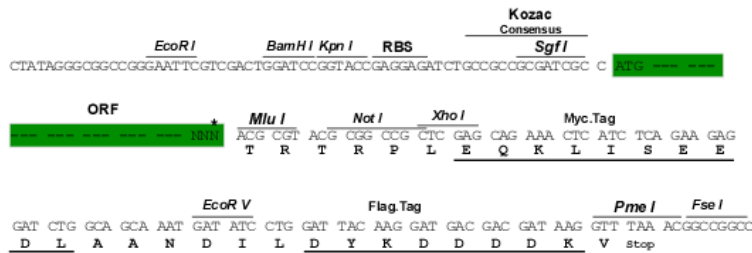
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6437_d03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

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](#)

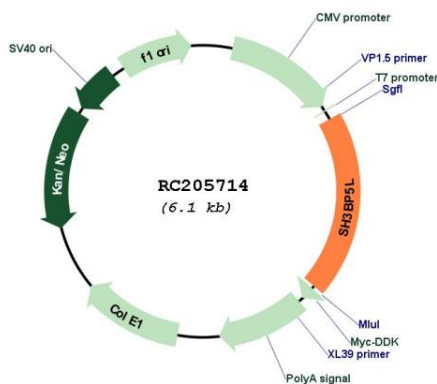
Cytogenetics: 1q44

Domains: SH3BP5

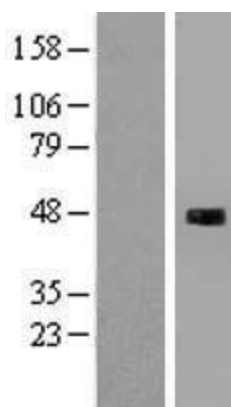
MW: 43.5 kDa

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

Product images:



Circular map for RC205714



Western blot validation of overexpression lysate (Cat# [LY410767]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205714 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).