

Product datasheet for **RC230063**

SH3KBP1 (NM_001184960) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SH3KBP1 (NM_001184960) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SH3KBP1
Synonyms:	AGMX2; CD2BP3; CIN85; GIG10; HSB-1; HSB1; IMD61; MIG18
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC230063 representing NM_001184960
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGAGAAGAGACTATTGGGAAGAAGTTACCTGCAACTACAGCAACTCCAGACTCATCAAAAACAGAAA
 TGGACAGCAGGACAAAGAGCAAGGATTACTGCAAAGTAATATTTCCATATGAGGCACAGAATGATGATGA
 ATTGACAATCAAAGAAGGAGATATAGTCACTCTCATCAATAAGGACTGCATCGACGTAGGCTGGTGGAA
 GGAGAGCTGAACGGCAGACGAGGCGTGTCCCCGATAACTTCGTGAAGTTACTTCCACCGGACTTTGAAA
 AGGAAGGGAAATAGACCAAGAAGCCACCGCTCCATCCGCTCCTGTATCAAACAAGGGGCGAGCCACC
 TGAGAGAAAACATGAAATTA AAAAGATACTCCTGAAAGACCAGAAAATGCTTCAAACAGAACAGAAAGAA
 AAAGAAAGACCAGAGAGAGGCCAAAACGGATTTACAGAAGCCCTCCGTTCTGCCATACCGCCAAAAA
 AGCCTCGGCCACCTAAGACCAATTCTCTCAGCAGACCTGGCGACTGCCCCGAGAAGGCCGGAGAGACC
 GGTGGGTCGCTGACACACACCAGGGGTGACAGTCCAAGATTGACTTGGCCGGCAGTTCGCTATCTGGC
 ATCCTGGACAAAAGATCTCTCGGACCGCAGCAATGACATTGACTTAGAAGGTTTTGACTCCGTGGTATCAT
 CTACTGAGAAACTCAGTCATCCGACCACAGCAGACAAAAGCTACAGGGAGGCGCCTCCGTCCCAGTC
 CCTCACATCTTATCCCTTTCAAGCCCTGATATCTTCGACTCCCCAAGTCCCGAAGAGGATAAGGAGGAA
 CACATTTCACTTGGCAGAGGAGTGGACGCGTCAAAGAAAACCTTCAAAGACTGTTACCATATCCCAAG
 TGTCTGACAACAAAGCATCCCTGCCGCCAAGCCGGGGACCATGGCAGCAGGTGGCGGTGGGCCAGCCCC
 TCTGTCTCAGCGGTGCCCTCCCCCTGTATCTCTTTGGGAACAGCTGGACACAGAGCCAACCTCCCCG
 TCTGTGTCGACCGGAAGGAAAACCAAAGATGGAGCCTGCGGCCAGCAGCCAGGCGCCGTGGAGGAGC
 TAAGGACACAGGTCCGCGAGCTGAGGAGCATCATCGAGACCATGAAGGACCAGCAGAAAACGAGAGATTAA
 ACAGTTATTGTCTGAGTTGGATGAAGAGAAGAAAATCCGGCTTCGGTTGCAGATGGAAGTGAACGACATA
 AAGAAAGCTCTACAATCAAAA

AC**GCGGCCGCTCGAGCAGAAA**ACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGA
 TTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC230063 representing NM_001184960
 Red=Cloning site Green=Tags(s)

MGEETIGKKLPATTATPDSSKTEMDSRTKSKDYCKVIFPYEAQNDELTIKEGDIVTLINKDCIDVGWWE
 GELNGRRGVFPDNFVKLLPPDFEKEGNRPKPPPPSAPVIKQGAGTTERKHEIKKIPPERPEMLPNRTEE
 KERPEREPKLDLQKPSVPAIPPKKPRPPKTNLSRPGALPPRRPERPVGPLTHTRGDSPKIDLAGSSLG
 ILDKLSDRSNDIDLEGFDSVVSSTEKLSHPTTSRPKATGRRPPSQSLTSSLSPPDIFDSSPSPEEDKEE
 HISLAHRGVDASKKTSKTVTISQVSDNKASLPPKPGTMAAGGGPAPLSSAVPSPLSSSLGTAGHRANSP
 SLFGTEGPKMEPAASSQAAVEELRTQVRELRISIETMKDQKREIKQLLSELDEEKKIRLRLQMEVNDI
 KKALQSK

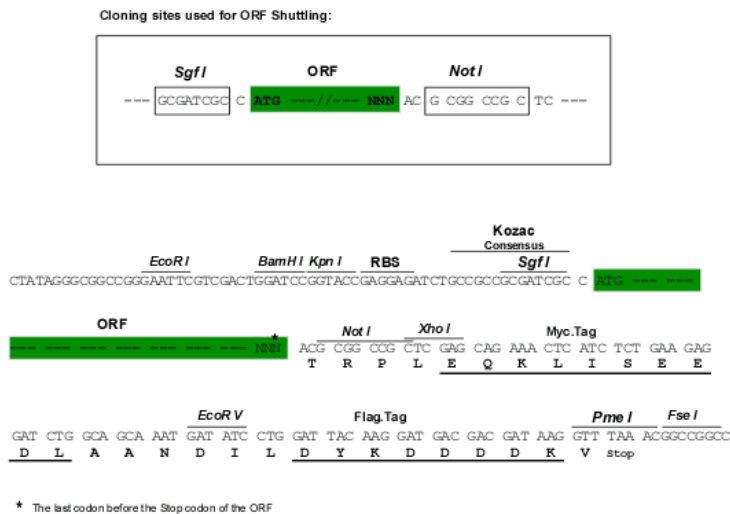
TRRLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mg4712_c07.zip

Restriction Sites:

SgfI-NotI

Cloning Scheme:


ACCN: NM_001184960

ORF Size: 1281 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.

RefSeq: [NM_001184960.1](#), [NP_001171889.1](#)

RefSeq ORF: 1284 bp

Locus ID: 30011

UniProt ID: [Q96B97](#)

Cytogenetics: Xp22.12

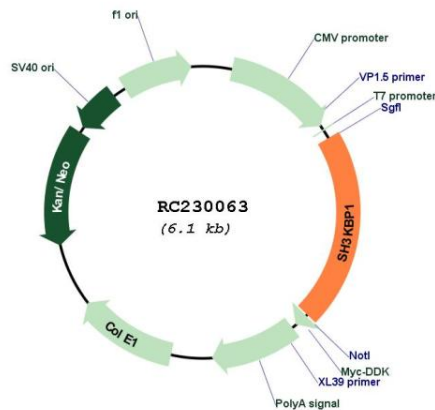
Protein Families: Druggable Genome

Protein Pathways: Endocytosis

MW: 47.1 kDa

Gene Summary: This gene encodes an adapter protein that contains one or more N-terminal Src homology domains, a proline rich region and a C-terminal coiled-coil domain. The encoded protein facilitates protein-protein interactions and has been implicated in numerous cellular processes including apoptosis, cytoskeletal rearrangement, cell adhesion and in the regulation of clathrin-dependent endocytosis. Alternate splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Jul 2017]

Product images:



Circular map for RC230063