

Product datasheet for **MR210149**

Shkbp1 (NM_138676) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Shkbp1 (NM_138676) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Shkbp1
Synonyms:	B930062H15Rik; Sb1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR210149 representing NM_138676
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCGTCGCGACGACTGCAGTGGAGGGGTCCCGAGTCGGGGAGCACCCGGGAAGTGATTTCATCTGA
 ACGTAGGGGGCAAGCGGTTCACTACCTCTCGCCAGACGCTTACCTGGATCCCAGACTCCTCTTTCCAG
 TCTTTGAGCGGACGCATCTCAACCCTGAAAGATGAGACCGGAGCTATCTTCATCGACCGGACCCACC
 GTCTTTGCCCCATCCTTAATTTCTGCGGACCAAGAGTTAGATCCCAGGGGTGTCCATGGTTCCAGCC
 TCCTCCATGAAGCCAATTCTACGGACTCACTCCACTGGTTTCGTCGCTGCAGGTGAGGGAAGAGTTGGA
 TCGATCTTCTGCGAAATGTCTCTTCAATGTTATCTACCTCCTCCAGTGTCCAGTGAAGCGGCGA
 AACCGGCACAGCCTGGTGGGGCCCCAGCAATAGGGGGACGCCAGCCCTGTTTCGACGGAGCAACACGA
 TGCCCCCAACTTGGGTAAATGCAGGGCTGCTGGGCCGAATGTTAGATGAGAGAGCACCTCCATCCCCATC
 AGGCCAACAGAGGAGCCAGGGATGGTGGCCTGGTGTGGTACCACAACCTGGATTGCTGTGGCAGAT
 ACCCACTTCTCGTCTGTTATAGGTTGAAGGAAGCCTCGGGCTGGCAGCTTGCACTTCCAGCCCGCC
 TGGACTGGCCATCGAGCGCCTGGCTCTTGGCGCTCGGGTGTGGCGGTGCTCCGGGTGAGCATGACAA
 GATGGTGGCTGCAGTACTGGCAGCGAGATCCTTCTGTGGGCCCTACAAGCACAAGGTGGTGGCTGTGAG
 ATAGGTGTCTTCCACTGGGTGTGCCAGTGGAGGCCTTGTCTTTGTTGGGAATCAGTCAATGCCACAA
 GTCACACAGGGCGCATCGGTGTCTGGAACGCTGTGACCAAGCACTGGCAGGTCCAGGAGTCCAGCCTAT
 CACGAGCTATGATGCAGCCGGCTCCTCCTCCTCCTGGCTGCAGCAATGGCTCCATCTATTATGTAGAT
 GTGCAGAAATCCCCCTCGGATGAAGGACAACGATCTCCTTGTGAGTGTGCTACCGAGACCCAGCAG
 AGGATGGGGTACCGCCCTCAGCGTCTACCTCACCCCAAGACCAGTGACAGTGGGAATGGATTGAGAT
 TGCTATGGCACCAAGCTCCGGGGTGGTGGGGTCAATTGTGACAGCACCTGAGACGGTGGGCTCGGGACCC
 CAGCTCTTCCAGACCTTCAAGTGTGACCCGAGCCCGGTCACTAAGATCATGCTGTGAGAGAAGCATCTTA
 TCTCTGTGTGCGGACAACAACCATGTTCCGACGTGGTCTGTGACCCGCTTTCGAGGCATGATCTCCAC
 CCAGCCTGGTTCCACTCCGCTGGCATCCTCAAGATCCTGGCGCTGGAATCTGTTGATGGGCTCGGTGGC
 TGCAGTGTGGCAATGACATTGGTCCCTATGGTGAACGGGATGACCAGCAGGTGTTCCAGAAAGTGG
 TGCCAAATGCCAGTCAGTATTTGTGCGTCTCTTCCACTGGGAGCGGGTGTGTTCTGTGCGCTCGGT
 GGATGGGTCTCCACGACTGCCTTACAGTGTGGAGTGTGAGGGCTCCAGGCGGCTGGGCTCCAGACCC
 CGACGTTACCTGCTCACTGGTCAAGCCAGCCAGCCTGGCCATGTGGGACCTGACCACTGCCATGGATG
 GCCTGGGCCAAACTCCTGCAGGGCGCTGACAGAAGAAGAGCTGATGGACCAACTGGAGCAATGTGAGCT
 GAGCCATTGGCTTCTCTCGGGGCTCTTCCAGCCCTCACCCAGGACCTCTTACCAGTCTCCAC
 TCAGCCTCCAGCAACACCTCCCTGTATGGCCCCAGAGGGAGCCCCAGCCACCACAGGCAGAGGCCCGTC
 GCCGCGGGCAGGAAGCTTCGTGGATCGGTGTCAGGAAGTGGCAAGGGGTGCGCCAGAGCTCAGATGGCC
 GCCAACACCAGCCCCTCGACCCTCCACCAGTCTTGGGAATCCCCTGACAGCTCTCAAGAAAACCTTAAAC
 GAAACTTCCTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR210149 representing NM_138676
Red=Cloning site Green=Tags(s)

MAVATTAVEGVPSRGAPGEVIHLNVGGKRFSTSRQTLTWIPDSFFSLLSGRISTLKDETGAIFIDRDPT
 VFAPILNFLRTKELDPRGVHGSSLLHEAQFYGLTPLVRLQVREELDRSSCGNVLFNGYLPVPVVKRR
 NRHSLVGPOQIGGRPAPVRRSNTMPPNLGNAGLLGRMLDERAPSPSPGQPEEPMVRLVCGHHNWIAYAY
 THFLVCYRLKEASGWQLAFSSPRLDWPIERLALAAARVLGGAPGEHDKMVAATGSEILLWALQAQGGGSE
 IGVFHLGVPVEALFFVGNQLIATSHTRIGVWNAVTKHWQVQEVQPIITSYDAAGSFLLGCSNGSIYYVD
 VQKFLPRMKDNDLLVSELYRDP AEDGVTALSVYLTPKTS DSGNWIEIAYGTSSGVVRVIVQHPETVGS GP
 QLFQTF SVHRSPVTKIMLSEKHLISVCADNNHVRTWSVTRFRGMI STQPGSTPLASFKILALESVDGLGG
 CSAGNDIGPYGERDDQQVFIQKVVPNASQLFVRLSSTGQRVCSVRSVDGSPPTAF TVLECEGSRRLGSRP
 RRYLLTGQANGSLAMWDLTTAMDGLGQTPAGGL TEEELMDQLEQCEL SPLASSRGSFSPSPRTSLTSLH
 SASSNTSLYGPRGSPSPQAEARRRGAGSFVDRCQELARGAPELRWPPTPAPRPSTSLGNPLTALKKTLN
 ETSF

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9046_b11.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_138676

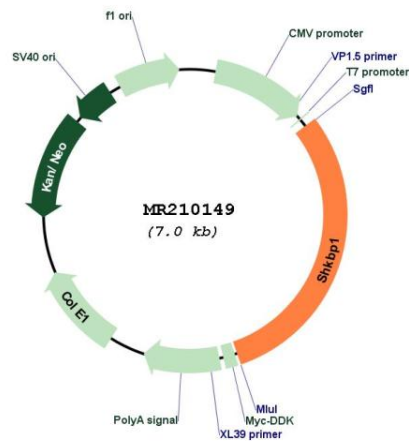
ORF Size: 2112 bp

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_138676.2](#), [NP_619617.2](#)
- RefSeq Size:** 2347 bp
- RefSeq ORF:** 2115 bp
- Locus ID:** 192192
- UniProt ID:** [Q6P7W2](#)
- Cytogenetics:** 7 A3
- MW:** 76.6 kDa
- 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 (PubMed:21830225).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR210149