

Product datasheet for **MC219829**

Sh3kbp1 (NM_021389) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sh3kbp1 (NM_021389) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sh3kbp1
Synonyms:	1200007H22Rik; 1700125L08Rik; 5830464D22Rik; AI447724; Cin85; IN85; Ruk; Seta
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219829 representing NM_021389
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCTTTCTGCAGCCAAAGCCCAAGCCCCACAGACTTGCCTGAGAGTGAAATAAAGAAAGATATGA
 AGAAAGATCTTCTCTAACAAAGCTCCAGAGAAACCCATGCACGATGTATCCAGTGAAACGCTCTGCT
 TTCTTCTGAAACCATTTTAAAGAACAATAAACGAGGAGAACGACGGAGACGCCGATGCCAGTGGCATT
 AGCTACCTGCCCCAGAATGACGATGAGCTGGAGCTGAAAGTCGGGGACATCATAGAGTTGTAGGAGAGG
 TAGAGGAAGGATGGTGGGAAGGTGTGCTCAATGGGAAGACTGGAATGTTTCCTTCCAACCTCATCAAGGA
 GCTGTCAGGGGAGTCGGATGAGCTTGGCATCTCCAGGATGAGCAGCTTTCGAAGTCAAGCTTAAGAGAA
 ACCACAGGCTCCGAGAGTGATGGAGGCGACTCCAGCAGTACCAAGTCCGAAGGTGCCAACGGGACCATGG
 CAACTGCAGCCATCCAGCCCAAGAAAGTAAAGGAGTGGGGTTTGGAGACATTTTCAAAGACAAGCCAT
 TAAACTAAGACCAAGGTCGATTGAAGTGGAAAATGACTTCTGCCGTCGAAAAGACAATTTGGGAAGAAG
 TTACCTCCAGCTACATCAACTCCAGACCCATCGAAGACGGAGATGGACAGCAGGACAAAGACCAAGGATT
 ACTGCAAAGTAATATTTCCATATGAGGCACAGAATGATGATGAATTGACAATCAAGGAAGGAGATATAGT
 GACTCTCATCAATAAGGACTGCATCGACGTAGGCTGGTGGGAAGGAGAATCAATGGCAGACGAGGCGTG
 TTTCTGACAACCTTCGTGAAGTTACTTCCATCGGACTTTGACAAGGAAGGGAATAGACCCAAGAAACCGC
 CACCTCCATCAGCTCCTGTCGTCAAACAAGGGGCGGTTACCACAGAGAGAAAACATGAAATTAAGAAAAAT
 ACCTCTGAAAGACCAGAAACCTTCCAAACAGAACAGAGAGAAAGAAAGACCAGAGAGAGAGCCAAAA
 CTGGATTTACAGAAGCCTTCAGTTCCTGCCATCCACCAAAAAAGCCTCGGCCACCTAAGACCAATTCTC
 TGAACAGACCTGGTGCATTGCCCAAGAAGACCTGAGCGACAGTGGGCCACTGACACACACCCAGGGG
 TGACAGTCCAAAGATTGACTTGGCAGGCAGCGCACTCTCTGGCATCCTGGATAAGGACCTCTCAGACCGC
 AGCAATGATATTGACTTAGAAGTTTTGACTCTGTGATATCATCTACTGAGAACTCAGCCACCCAAACCA
 CAAGCAGACCAAAAGCTACAGGAAGACGGCCTCCATCCAGTCACTCACATCTTCTTCCCTTTAAGCCC
 CGATATCTTTGACTCCCCAAGTCCGAAGAAGATAAAGAGGAACACATTTGCTTGGCAGACAGGAATA
 GACGTGTCAAAGAAGACTTCCAAGACTGTTACCATATCCCAAGTGTGATAACAAGACATCCCTGCCAC
 CCAAGCCAGGGACCATGGCAGCTGCCAGCAGTGGGCCAGCTTCTCTCTTTCAGTGGCATCTCACCCAT
 GTCATCTCTTTGGGAACAGCTGGACAGAGAGCCAGTTCTCCATCTGTTCAGCACAGAAGGAAAGCCA
 AAGATGGAGCCAGCAGTGAAGGACCAGCAGAAACGTGAGATTAAGCAGTACTGTGACAATTTGGATGAAGA
 CCATCATTGAGACCATGAAGGACCAGCAGAAACGTGAGATTAAGCAGTACTGTGACAATTTGGATGAAGA
 GAAAAAGATCCGGCTCCGGTTGCAGATGGAAGTGAACGACATAAAGAAAGCTCTTCAATCAAAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_021389
- Insert Size:** 1887 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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_021389.6](#), [NP_067364.2](#)

RefSeq Size: 4733 bp

RefSeq ORF: 1887 bp

Locus ID: 58194

UniProt ID: [Q8R550](#)

Cytogenetics: X F4

Gene Summary: Adapter protein involved in regulating diverse signal transduction pathways. Involved in the regulation of endocytosis and lysosomal degradation of ligand-induced receptor tyrosine kinases, including EGFR and MET/hepatocyte growth factor receptor, through an association with CBL and endophilins. The association with CBL, and thus the receptor internalization, may be inhibited by an interaction with PDCD6IP and/or SPRY2. Involved in regulation of ligand-dependent endocytosis of the IgE receptor. Attenuates phosphatidylinositol 3-kinase activity by interaction with its regulatory subunit. May be involved in regulation of cell adhesion; promotes the interaction between TTK2B and PDCD6IP. May be involved in the regulation of cellular stress response via the MAPK pathways through its interaction with MAP3K4. Is involved in modulation of tumor necrosis factor mediated apoptosis. Plays a role in the regulation of cell morphology and cytoskeletal organization. Required in the control of cell shape and migration (By similarity).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2, also known as RukdeltaA) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (2) has a distinct N-terminus and is shorter than isoform 1.