

Product datasheet for **RR214897**

Sh3kbp1 (NM_053360) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sh3kbp1 (NM_053360) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sh3kbp1
Synonyms:	CIN85; Seta
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR214897 representing NM_053360
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTGGAGGCCATAGTGGAGTTTGATTACCAGGCCAGCATGATGATGAGCTGACGATCAGCGTGGGTG
 AGGTCATACCAACATCAGGAAGGAGGATGGAGGCTGGTGGGAGGGACAGATCAACGGCAGGAGAGGTTT
 GTTCCCTGACAACCTTTGTAAGAGAAATAAAGAAGGATGTGAAGAAAGACCTTCTCTCTAACAAAGCTCCT
 GAGAAGCCATGCATGATGTGTCCAGTGGAAACTCTTTGCTTTCTCTGAAACCATTTTAAAGAACCAATA
 AACGAGGAGAGCGACGGAGACGCCGATGCCAGGTGGCGTTCAGCTACCTGCCTCAGAATGACGATGAGCT
 TGAGCTGAAAGTCGGGGACATCATAGAGGTTGTAGGAGAGGTGGAGGAAGGATGGTGGGAAGGCGTACTC
 AATGGGAAGACTGGAATGTTTCTTCCAACCTTCATCAAGGAGCTGTCAGGGGAGTCGGATGAGCTTGGCA
 TTTCCAGGATGAGCAGCTTTCCAAGTCAAGCTTAAGAGAAACCACAGGCTCCGAGAGTGTGGAGGCGA
 CTC AAGCAGTACCAAGTCTGAAGGCGCCAATGGGACGGTGGCAACTGCAGCTATCCAGCCCAAGAAAGTT
 AAAGGAGTGGGGTTTGGAGATATTTTCAAAGACAAGCCAATTAACCTAAGACCAAGGTCGATTGAAGTGG
 AAAATGACTTCCTGCCTGTAGAAAAGACAATTGGGAAGAAGTTACCTCCAGCTACATCAACCCAGACCC
 ATCGAAAACAGAAATGGACAGCAGGACAAAAGCAAGGATTACTGCAAAGTAATATTTCCATATGAGGCA
 CAGAATGATGACGAATTGACAATCAAGGAAGGAGATATAGTGACTCTCATCAATAAGGACTGCATCGATG
 TAGGCTGGTGGGAAGGAGAGCTCAATGGCAGACGAGGAGTGTTCCTGACAACTTCGTGAAGTTACTTCC
 GTCAGACTTCGACAAGGAAGGGAATAGACCCAAGAAGCCGCCACCTCCATCCGCTCCTGCATCAAAACA
 GGGGCAGGTACCAAGAGAGAAAACATGAAATTAAGAAAGATACCTCCTGAAAGACCGGAAACACTTCCAA
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 CCTCCTTCTCAGTCGCTCACATCTTCTCCCTTCAAGCCCTGATATCTTTGACTCCCAAGTCCCGAAG
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 TACCATATCCAAGTGTCTGATAACAAGGCTTCCCTGCCACCAAGCCAGGGACCATGGCAGCTGCCAGC
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 TGCCATCGAGGAGCTCAAGATGCAAGTCCGTGAGCTGAGAACCATCATCGAGACCATGAAGGACCAGCAG
 AAACGTGAGATTAAGCAGTACTGTGCAATGGATGAAGAGAAAAGATCCGGCTCCGATTGCAGATGG
 AGGTGAATGACATAAAGAAAGCTCTCCAATCAAAA

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAAGTTTAA

Protein Sequence: >RR214897 representing NM_053360
 Red=Cloning site Green=Tags(s)

MVEAIVEFDYQAQHDELTVSGEIVITNIRKEDGGWEGQINGRRGLFPDNFVREIKKDVKKDLLSNKAP
 EKPMHDVSSGNLLSSETILRTNKRGERRRRCQVAFSYLPQNDELKLVGDIIEVVGEVEEGWEGVL
 NGKTGMFSPNFIKELSGEDELGISQDEQLSKSSLRETTGSESDGGSSSTKSEGANGTVATAAIQPKKV
 KGVGFGDIFKDKPIKLRPRSIEVENDFLPVEKTIGKKLPPATSTPDPKTEMDSRTKTKDYCKVIFPYEA
 QNDELTIKEGDIVTLINKDCIDVGWEGELNRRGVFPDNFVKLLPSPDFKEGNRPKPPPPSAPVIKQ
 GAGTTERKHEIKKIPPERPETLPNRTEEKERPPEPKLDLQKPSVPAIPPKPRPKTNSLNRPGVLP
 RPERVGPLTHTRGDSSKIDLAGSTLSGILDKDLSDRSNDIDLEGFDSVISSTEKLSHPTTSRPKATGRR
 PPSQSLTSSSLSPDIFDSSPEEDKEEHLAHRGIDVSKKTSRTVTISQVSDNKASLPPKPGTMAAAS
 SGPASLSSVASSPMSSSLGTAGQRASSPSLFAEGKAKTESAVSSQAAIEELKMVRELRTIIETMKDQQ
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

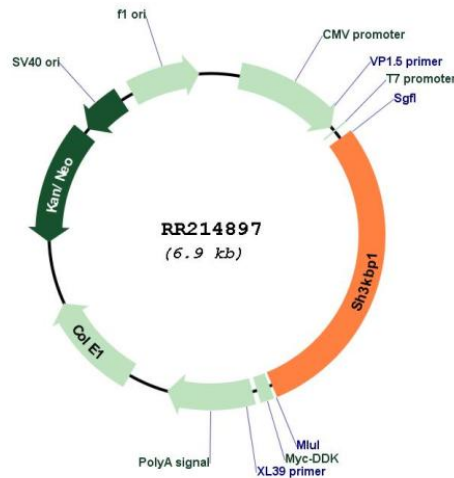
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_053360

ORF Size: 1995 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_053360.2](#), [NP_445812.1](#)

RefSeq Size: 3310 bp

RefSeq ORF: 1998 bp

Locus ID: 84357

UniProt ID: [Q925Q9](#)

Cytogenetics: Xq14

MW: 73.2 kDa

Gene Summary: binds apoptosis-linked gene 2 (ALG-2) interacting protein 1; involved in regulation of apoptosis in astrocytes [RGD, Feb 2006]