

## Product datasheet for **SC108004**

### **SH3KBP1 (NM\_031892) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	SH3KBP1 (NM_031892) Human Untagged Clone
Tag:	Tag Free
Symbol:	SH3KBP1
Synonyms:	AGMX2; CD2BP3; CIN85; GIG10; HSB-1; HSB1; IMD61; MIG18
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene ORF within SC108004 sequence for NM\_031892 edited (data generated by NextGen Sequencing)

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ATGGTGGAGGCCATAGTGGAGTTTGACTACCAGGCCAGCAGCATGATGAGCTGACGATC
AGCGTGGGTGAAATCATCAACAATCAGGAAGGAGGATGGAGGCTGGTGGGAGGGACAG
ATCAACGGCAGGAGAGGTTTGTCCCTGACAACCTTTGTAAGAGAAATAAGAAAGAGATG
AAGAAAGACCCCTCCACCAACAAAGCTCCAGAAAAGCCCTGCACGAAGTGCCCAAGTGA
AACTCTTTGCTGTCTTCTGAAACGATTTTAAGAACCAATAAGAGAGGCGAGCGACGGAGG
CGCCGGTGCCAGGTGGCATTACGTACCTGCCCCAGAATGACGATGAACTTGAGCTGAAA
GTTGGCGACATCATAGAGGTGGTAGGAGAGGTAGAGGAAGGATGGTGGGAAGGTGTTCTC
AACGGGAAGACTGGAATGTTTCCCTTCCAACCTCATCAAGGAGCTGCAGGGGAGTCGGAT
GAGCTTGGCATTCCCAGGATGAGCAGCTATCCAAGTCAAGTTTAAAGGAAACCACAGGC
TCCGAGAGTGATGGGGTGACTCAAGCAGCACCAAGTCTGAAGGTGCCAACGGGACAGTG
GCAACTGCAGCAATCCAGCCAAAGAAAGTTAAGGGAGTGGGCTTTGGAGACATTTTCAA
GACAAGCCAATCAAATAAGACCAAGGTCAATTGAAGTAGAAAATGACTTTCTGCCGGTA
GAAAAGACTATTGGGAAGAAGTTACCTGCAACTACAGCAACTCCAGACTCATAAAAACA
GAAATGGACAGCAGGACAAGAGCAAGGATTACTGCAAAGTAATATTTCCATATGAGGCA
CAGAATGATGATGAATTGACAATCAAAGAAGGAGATATAGTCACTCTCATCAATAAGGAC
TGCATCGACGTAGGCTGGTGGGAAGGAGAGCTGAACGGCAGACGAGGCGTGTCCCGAT
AACTTCGTGAAGTTACTTCCACCGGACTTTGAAAAGGAAGGGAATAGACCCAAGAAGCCA
CCGCTCCATCCGCTCCTGTATCAAACAAGGGGCAGGCACCACTGAGAGAAAACATGAA
ATTA AAAAGATACCTCCTGAAAGACCAGAAATGCTTCAAACAGAACAGAAAAGAAAGAA
AGACCAGAGAGAGAGCCAAAACCTGGATTTACAGAAGCCCTCCGTTCTGCCATACCGCCA
AAAAAGCCCTCGGCCACCTAAGACCAATTTCTCAGCAGACTGGCGCACTGCCCCCGAGA
AGGCCGGAGAGACCGGTGGTCCGCTGACACACACAGGGGTGACAGTCCAAAGATTGAC
TTGGCCGCGAGTTCGCTATCTGGCATCCTGGACAAGATCTCTCGACCCGAGCAATGAC
ATTGACTTAGAAGTTTTGACTCCGTGGTATCATCTACTGAGAAACTCAGTCATCCGACC
ACAAGCAGACAAAAGCTACAGGGAGGCGGCTCCGTCCAGTCCCTCACATCTTCATCC
CTTTCAAGCCCTGATATCTTCGACTCCCCAAGTCCCGAAGAGGATAAGGAGGAACACATT
TCACTTGGCAGCAGAGGAGTGGACGCGTCAAAGAAAACCTCCAAGACTGTTACCATATCC
CAAGTGTCTGACAACAAAGCATCCCTGCCGCCAAGCCGGGGACCATGGCAGCAGGTGGC
GGTGGGCCAGCCCTCTGTCTCAGCGGCGCCCTCCCCCTGTATCCTCTTTGGGAACA
GCTGGACACAGAGCCAATCCCCGTCTGTTCGGCAGCGAAGGAAAACCAAGATGGAG
CCTGCGGCCAGCAGCCAGGCGGCGTGGAGGAGCTAAGGACACAGGTCCGCGAGCTGAGG
AGCATCATCGAGACCATGAAGGACCAGCAGAAACGAGAGATTAACAGTTATTGTCTGAG
TTGGATGAAGAGAAGAAAATCCGGCTTCGGTTGCAGATGGAAGTGAACGACATAAAGAAA
GCTCTACAATCAAATGA
    
```

Clone variation with respect to NM\_031892.2

**5' Read Nucleotide Sequence:**

```

>OriGene 5' read for NM_031892 unedited
GCACGAGGGGAAAGAAGTCTGGNNTTTTTTTTTTTTTTTTTTTTTTTTTTTTTCGCAATTT
CCACTCGCGGGGAGCAGGAAACCCGGCGCAGCCGGGCGCATTGGGCGCGATGCAACAGC
AGCAGCAGGAGTCGCCCCGGGCGCAGCAGCGGCAGCAGCAGCAGAGGCAGCAGCGGGCGGC
GCTGAGCCGCGCCGCCACTGAGGAAGAAGCCGGCCAGCCCGCCCGCTCCGGAC
CCTCGCGCTGGATCCCAGCGCCCGATCCCGGGCCCCAACCCACGCCCCTCCGC
CAACTTTCACGCTGCCTCGGCGGCCCGCCGGCTCGACGCCAATGGTGGAGGCCATAGT
GGAGTTTGACTACCAGGCCAGCAGCATGATGAGCTGACGATCAGCGTGGGTGAAATCAT
CACCAACATCAGGAATGAGGATGGAGGCTGGTGGGAGGGACAGATCAACGGCAGGAGAGG
TTTGTCCCTGACAACCTTTGTANGAGAAAATAAGAAAGAGATGAAGAAAGACCCTCTCAC
CAACAAAGCTCCAGAAAAGCCCCGACGAAGTGCCAGTGGAAGTCTTTGCTGTCTTC
TGAAACGATTTTAAGAACCAATAAGAGAGGCGAGCGACGGAGGCGCCGGTCCAGGTGGC
ATTCAGTACCTGCCCGAATGACGATGAACTTGAGCTGAAAGTTGGCGACATCAT
    
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<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_031892 unedited NTCGTCTTGGACCCGCGGCCGCAATCTANGATCGAGTTTTTTTTTTTTTTTTTTAATTTT TTTGAATATGGTAGCTGCATCACAAAAGCTCCAATCAAGAGGGTGGTAAAAAGAAGGCAC AGATCATTGCAAAATACCAGATTTTCTCTTTCTTTTTGTAAATATACCGTCATATATAA GCTAAAATTTCTTTAGGGTGGTGGGGTTTGTGGCAGGGAAAGGGACAGGTTGAACCTA CAATTGCATATGTAATAGAATCCTAATGGGGGGACAAAGAGCGAGGCAGCTCTTAGCCTG AAGCAAAAAGAAAAGGACACTCGCTTCTGACTACGTGTAGTACAAACACTAGGGAAGTCTG TGACAAAACACGATTAATAAATCATAAAATTATAAAGCTTGTAACGAATAATCTGAAAT TACATTTTATAATGAAAATATCATCAAATAGTACCACTATGGACTAACTGCCTGAG TTTTCATTTGCGATTGAGATCTCAGAGTAGAAAAGCCTTTAGCACAATTTTGCTCTGTGT AAGTCACAACGAGTGCCAGCCCCAGACTAAACCCTGNGGAAGATTCTCCTTTGGATGG AATTTGNGTTGCGCTATCAAGACTTTTGTGCTAATCTTTCAAACAGGGACATTTTGAAGC AAACCCTTAATCTTTGGACAAGATTATTTTGGCTGGGGCAGAAAATTGAGTCCGGAC CTCAGAAGATAAGGTGACATTTAATTGATCAAGTACTCTTTTGGATTGGAGAGCTTCCTT TATGGCGTACACTCCATCTGGCACCCGAACCCGGATTTTTTTCTGTTTACTCCACTAA ACACATAACGGTGAATTCGCCGACACTGCGGGAGCTTCTCGGGACTCGAGAAGCTCCTC AACCCCGACCTGCGCACTTACTACTCGCCGCCCCACCGTTTCTGACCACAATACCTA
<b>Restriction Sites:</b>	ECoRI-NOT
<b>ACCN:</b>	NM_031892
<b>Insert Size:</b>	3160 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_031892.1</a></u> , <u><a href="#">NP_114098.1</a></u>
<b>RefSeq Size:</b>	3348 bp
<b>RefSeq ORF:</b>	1998 bp
<b>Locus ID:</b>	30011
<b>UniProt ID:</b>	<u><a href="#">Q96B97</a></u>
<b>Cytogenetics:</b>	Xp22.12
<b>Domains:</b>	SH3

**Protein Families:** Druggable Genome

**Protein Pathways:** Endocytosis

**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]  
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a).