

Product datasheet for **SC108606**

SH3BP4 (NM_014521) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SH3BP4 (NM_014521) Human Untagged Clone
Tag:	Tag Free
Symbol:	SH3BP4
Synonyms:	BOG25; TTP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC108606 sequence for NM_014521 edited (data generated by NextGen Sequencing)

ATGGCGGCTCAGCGGATCCGAGCGGCCAACTCCAATGGCCTCCCTCGCTGCAAGTCAGAG
GGGACCTGATTGACCTGAGCGAAGGGTTTTCAGAGACGAGCTTTAATGACATCAAAGTG
CCTTCTCCAGTGCCTTGCTCGTAGACAACCCACACCTTTCGGAAATGCAAAGGAAGTG
ATTGCGATCAAGGACTATTGCCCACTTCACTCACTGAAGTTCTCCAAGGCGAC
CATCTCTACGTCTTGACACATCTGGCGGTGAGTGGTGGTACGCACACAACACCACGAA
ATGGGCTACATCCCCTCCTATGTGCAGCCCTTGAACACCGGAACCAACTGAGT
GACAGCGGTATGATTGATAATCTCCAGACAGCCAGACGAGGTAGCCAAGGAGCTGGAG
CTGCTCGGGGATGGACAGATGACAAAAAAGTACCAGGCAGAATGTACAGTAATAACCT
TTCTGGAATGGGGTCCAGACCAATCCATTCTGAATGGGAACGTGCCCGTCATGCCAGC
CTGGATGAGCTGAATCCCAAAAGTACTGTGGATTGCTCCTTTTTGACGCAGGTACATCC
TCCTTCACCGAATCCAGCTCAGCCACCACGAATAGCACTGGCAACATCTTCGATGAGCTT
CCAGTCACAAACGGACTCCACGCAGAGCCGCGGTGAGCGGGACAACCCCTTCTTCAGA
AGCAAGCGCTCTACAGTCTCTCGGAACCTCCGTCCTCAAGCCAAGTCCGACGCTCCC
ACATCGTCGAGTTTCTTACCGGCTTGAATCACCTGCCCGGAGCAATTCAGAGCCGG
GAGGATTTTGAAGTGCCTGGCTAAACACAGGAAGCTGGCCCGGTCTTGCCACGACCTG
GACTTGCTTGGCAAAGCCCTGGTTGGGGCCAGACCAAGCCGTGGAGACAAACATCGTG
TGCAAGCTGGATAGCTCCGGGGTGTCTCCAGCTTCTGACACCAGCATCAGCATCCAC
GTGCCCGAGGGCCACGTGCCCCCTGGGGAGACCCAGCAGATCTCCATGAAAGCCCTGCTG
GACCCCCCGTGGAGCTCAACAGTGACAGGTCCTGCAGCATCAGCCCTGTGCTGGAGGTC
AAGCTGAGCAACCTGGAGGTGAAACCTCTATCATCTTGAGATGAAAGTGTGAGCCGAG
ATAAAAAATGACCTTTTTCAGAAAAGCACAGTGGGCCTCCAGTGCCTGAGGAGCGACTCG
AAGGAAGGGCCATATGTCTCCGTCCTGCTCACTGCAGCTGTGGGGACACGGTCCAGGCA
CAGCTGCACAACCTGGAGCCCTGTATGTACGTGGCTGTCGTGGCCCATGGCCCAAGCATC
CTTACCTTCCACCGTGTGGGACTTCATCAATAAAAAAGTCACAGTGGGTCTCTACGGC
CCTAAACACATCCACCCATCCTTCAAGACGGTAGTGACCATTTTGGGCATGACTGTGCC



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CCAAAGACGCTCCTGGTCAGCGAGGTACACGCCAGGCACCCAACCTGCCCCGGTGGCC
CTGCAGCTGTGGGGAAGCACCAGTTTCGTTTTGTCCAGGCCCCAGGATCTCAAGGTCTGT
ATGTTTTCCAATATGACGAATTACGAGGTCAAAGCCAGCGAGCAGGCCAAAGTGGTGCGA
GGATTCCAGCTGAAGCTGGGCAAGGTGAGCCGCCTGATCTTCCCCATCACCTCCCAGAAC
CCCAACGAGCTCTCTGACTTCACGCTGCGGGTTCAGGTGAAGGACGACCAGGAGGCCATC
CTCACCCAGTTTTGTGTCCAGACTCCTCAGCCACCCCTAAAAGTGCCATCAAGCCTTCC
GGGCAAAGGAGTTTTCTCAAGAAGAACGAAGTCGGGAAAATCATCCTGTCCCCGTTTGCC
ACCACTACAAAGTACCCGACTTTCCAGGACCGCCCGGTGTCCAGCCTCAAGTTTGGTAAG
TTGCTCAAGACTGTGGTGCAGGACGAACAAGAACCCTACCTGCTGGAGTACAAGAAGGGC
GACGGGATCGCCCTGCTCAGCGAGGAGCGGGTCAGGCTCCGGGGCCAGCTGTGGACCAAG
GAGTGGTACATCGGCTACTACCAGGCGAGGTGGGCTCGTGCACACCAAGAACGTGCTG
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CTGCTCATGGAGAACATCAGCAGCTGGCGCTCCTTCGCTGACGCCCTGGGCTACGTGAAC
CTGCCGCTCACCTTTTTCTGCCGGGCGAGCTGGATAGTGAGCCCGAGCGGGTGGCGTCC
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CAGAAGGAGCTTGTGATGGCCCTACTGAAGATGGACTGCCAGGGCCTGGTGGTCAGACTC
ATCCAGGACTTTGTGCTCCTGACCACGGCTGTAGAGGTGGCCAGCGCTGGCGGGAGCTG
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GACAGGAACGGGGTTGTGGACAGCGAGGCCATGTGGAAGCCTGCGTATGACTTCTTACTC
ACCTGGAGCCATCAGATCGGGGACAGCTACCGGATGTATCCAGGAGCTGCACCTGGGC
CTGGACAAGATGAAAAACCCCATCACCAAGCGCTGGAAGCACCTCACTGGGACTCTGATC
TTGGTGAACCTCCTGGACGTTCTGAGAGCAGCCGCTTCAGCCCTGCGGACCAGGACGAC
TTCGTGATTTGA

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Clone variation with respect to NM_014521.2
 774 t=>c;2406 a=>g

**5' Read Nucleotide
Sequence:**

>OriGene 5' read for NM_014521 unedited

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GTTCAGAATTGTATACGACTCATATAGGCGGCCGCGNAATTTCGCACGAGGTGAGTCCCGC
GGNAGCCGCGCGCGCCCCGGCTGGGCCGAGCCGCTGGCCGACGAGCGGAGCCTCAGGAG
CCGGCGGGGACGCCATGCGAGCCAGGAAGAAACATATTGCCGAGTGGATGCCGCCGCGCA
GCGTGTGTTGCTTGAGGCAGAAGCTTCAGCATCTGCTGGGATAACTGGAGGAAGAAATATG
AAGCCTTAGCGGCTTTACCCGGGAAGCGAGTTTCGAGATGGCGGCTCAGCGGATCCGAGC
GGCCAACCTCAATGGCCTCCCTCGCTGCAAGTCAGAGGGGACCCTGATTGACCTGAGCGA
AGGGTTTTTCAGAGACGAGCTTTAATGACATCAAAGTGCCTTCTCCAGTGCCTTGCTCGT
AGACAACCCACACCTTTTCGAAATGCAAAGGAAGTGATTGCGATCAAGGACTATTGCC
CACCAACTTCACCACACTGAAGTTCTCCAAGGGCGACCATCTCTACGTCTTGACACATN
TGGCGGTGAGTGGTGGTACGCACACAACACCACCGAAATGGGCTACATCCCCTCCTCT
ATGTGCAGCCCTTGAACCTACCGGAACCTCAACACTGAGTGACAGCGGTATGATTGATAATC
TTCCAGACAGCCAGACGAGGTAGCCAAGGAGCTGGAGCTGCTCGGGGGGGATGGACAGA
TGACANANAAGTACCAGGCAGAAATGTACAGTAATACCCTTCTGGAAGGGGGTCCAGAC
CAATCCATTTCTGATGGGGGAACGTGCCCGTCAGCCAGCCCTGGAAGAGCTGATCCCAA
AGTACTGGGGGGGGATTGCTCCTTTTGAAGGCAGGTACATCCTTCTTTACGGATCCAG
CTCAGCCCCACGAAAAGCACTGGCACATTTTNAAGAGCTTTCAGTCACAAACGACTCCC
CCAAACCCCGGTATAGGGGGGACAACCCCTTTTAAGAGCAGGCCTCTACGACTTTTG
GAACT

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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_014521 unedited <pre> GCTTGGCCAGGCCGCATCTATGATCGGTTTTTTTTTTTTTTTTTTTAAATATCCAAATAA AATTTACTGCAACTTTTGTAGAATTTATTTGTGCTACAAGACACGTTGCATAGGAACT ATTTAAAGCCCTGAGGAAAAAATCCATGGTTTAAGGTGCAACTGGTTTTGTTCTTC TTTGGGAAAAAGGTGATAGATGGTCTCTGGGAGAAATTATGGGGTGGAGTTGAGAAGCAC AATCGAAGGTTATATGGTGGGATGATTGGCGAATTGTGTGCTCTGGTTCTTGCAGCATAA AATAGCTAATGTTTGTCTTTTTTTCAGTCCGTTGGTCTTCAGTATCTGAATAAGTAGCT ATACAACGTTTTCAGGCCAGTAAGGGAGTATACATTGATTATACTAAGGAAGTAACATGTT TCAAGAAAGCAGTTTTAGAGAATGAGATTCCGGATCCCAAATGGTCCCTGACAACTGCAG GCACACAGGAAGTGTCTGGCACGTTGCTAAGGATCACCTCACTCTACTGATTTGCCAGT ATCAGTCTTCTCCTGCTCCCTTCCAACACGCGACATCTACGACGATTGTGAGATTCA CACAGCATGTCTGCACCCTAAAGTTATTAATGCAACACTGTGTCAAGTCTCTGATTTTAT GTGAGTCACATTTTCATTTTTACAAAATGCTCATCTTGCTCAGATGATCTTTACATTGTA CAAAAAATGGTTTCATCTAACTATGACTTCCTCCGAGGAGACACAGGTACACCAGGAA GGGAAGAGGGTTAAGCCCTAGATGAAATGAAATGCANAGTTTGGCAAATGGCAGTGCCA CCTCTGCACATCAGCATAGGGCGTGCTTGTGAAGGCCACCACAGCATCTGCAATAAGCA CGATAGTCACTGGCCACCAAGGCTCTGATCCGGNCATGAAGTTTCTTCTGTCCAAANA TGAGCCAGCAACTCTATGGG </pre>
Restriction Sites:	ECorI-NOT
ACCN:	NM_014521
Insert Size:	5150 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:	<u>NM_014521.1, NP_055336.1</u>
RefSeq Size:	5145 bp
RefSeq ORF:	2892 bp
Locus ID:	23677
UniProt ID:	<u>Q9P0V3</u>
Cytogenetics:	2q37.2
Domains:	SH3

Protein Families: Druggable Genome

Gene Summary: This gene encodes a protein with 3 Asn-Pro-Phe (NPF) motifs, an SH3 domain, a PXXP motif, a bipartite nuclear targeting signal, and a tyrosine phosphorylation site. This protein is involved in cargo-specific control of clathrin-mediated endocytosis, specifically controlling the internalization of a specific protein receptor. [provided by RefSeq, Jul 2008]