

Product datasheet for **MG214625**

Shcbp11 (NM_001033162) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Shcbp11
Synonyms:	1700012A16Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >MG214625 representing NM_001033162
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTACTATAGGGCGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGAGTCGGATGCCACGACCTCAGAGCCCAAGGCCTCGGTGGGAGTGACAGCTCGCCAGCGGAGCAGA
 CTGTCTTAGCCACCCTCCGGGACTCGGTGGCCGCGCCACCAAGGGGCTTATGTCCCCCGTGCCTCGGT
 AGTGGCCTCCCCGCGCCCGTGAAGGGCAAGCGGCACGGCAGCGCTCCAGCTCCCACCGTACCCAA
 GCCGAAACATGTGACGAGGAGCCCGTCCCGCGGTGCTGAGGACCAAGGAGGAAAGCGAGCCCTGCCAC
 CGATCTACGCATCCCCATGAGGGGCATGTGGCGCAGCGAGAAGGTGGCTCTGTACTCGCAGGAGTGT
 ACAGGGCTCGAAGGCAGAAGATGCAGAGGAAGCTATGAGTAGATACCTGTTGGAGAAGCTGAAAGCGAAG
 GACAGATGGCTCGGAGTCTGGAAGAGTAACCCGGAGCTCTTCTTTGAGAAATATGAAGAGCGTCCATCC
 CTTTTGTTGGGATCCTGGTGCAGGTAACGTGTAACCCCGCAGAAGTGTGCTTGTGTTTCAAAGTGAC
 AGTTTTCTGGCTGAGCCCTTTCTTCTAACATTGCAATATCCCTCGGACTTGGTGGACGAGTTCTG
 GGCGAGCTGGAATACAGCGCGCTCTCCTGGAGGTGTATCCCGTGGACGGCAGGACGCCGATGTCCGAG
 ACATTGCTCTGGCCCTGGAAGTTGTAAGTTTTTTATGATTTCTTTGGAGAGACTGGGATGATGAAGA
 AAATTGTGAGAATTACTGCCCTTATTGAAGAAAGAAATTAATCTGTGGTGCAGATCCAGGACGGGACA
 ATCCCCGGCCCCATCGCGCAGCGCTTCAAGAAAACGCTCGAGAAGTACAAAAACAAGCGAGTTGAGCTCA
 TCGAGTACCAGAGCAACATCAAGGAAGACCCGCTGCGGCCGAGGCGCTCGAGTGTGGAAGAAAGTACTA
 TGAGATAGTGATGCTCTGCGGGCTGCTGAAGATGTGGGAAGACTTGCAGGCTAAGAGTTCATGGACCTTC
 TTTCCGAGGATTCTGAGACGTAGAAAAGGGAAGAGAGACTTTGGGAAGACTATAACCCACATCGTAGCCA
 AAGTGATGACCACCGACATGGTAAAGAATTGTCTTCTGACACACTTCTGCAGCAGCATAATGACCTGAA
 CCTGGCTTTGGACAGCTGCTATAGTGGAGATATAGTAGTCATTTTCCCGGAGAGAATATCAAGCTTCAAAC
 CTCGCTTTGTTGACTGATGACATCACTATAAAGGGAGTTGGAAGAGAGAAGAAATATGATTACTTCTG
 AACCTTCGCATGACAGTTTTGTGGTATCCAAGCTGATAATGTGAAATTAATGCAGCTTTCTTTGATACA
 ACAAGGGACAGTTGATGGCATTGTGGTGGTAGAGTCTGGTCACTGACTTTGAAAAGTCTTGTCTAAAG
 TGTGAAGGGACAGGAGTGTGCGTTCTCACAGGGGCTTCACTGACGATCACAAAACAGTGAGATAACTGGTG
 CCCAGGGTGTGGTGTGAACTGTATCCTGGGAGCATAGCCATTTTGAAGGGAATGAGATTCATCACTG
 TAATAACCTCAGAACCAGTGACAGCTCAAAGAGCACCTTAGGTGGTGTAAACATGAAGGTTCTTCAGCA
 CCCAACTGAAGATGACGAACAATCATATCTACAACAACAATGGCTATGGAGTGAGCATTCTTCAGCCAT
 CGGAACAGTTCTTTATTGTAGCAGAAGCAGCTCTCAACAAAGGGGCTGCTTCAAGGAGATAAGAAAGATGA
 CAAAATGCTCTCAAAGTCATGCAAACCTCTGAATGTGGAATGAACAACAACAGGATAGAAGCCAACCTTA
 AAGGGGATATTAGGATAGTACCCGGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG214625 representing NM_001033162
 Red=Cloning site Green=Tags(s)

MESDATTSEPKASVGS DSSPAEQTVL ATRLRDSVAAPTRGFMSPVRSVVASPRPVKGAARRRLQLPPVTQ
 AETCDEEPPVAVPEDQEEAQLPPIYASPMRGMWRSEKVALYCDQVLQGSKAEDAEEAMSRYLLEKLLKAK
 DRWLGVWKSNPELFFEKYEEASIPFVGILVEVTCKPRQNLSSCFKVTVSVAEFPSSNIANIPRDLVDEVL
 GELEYSAPLLEVPVVDGQDADVRDIALALEVVRFFYDFLWRDWDDEENCENYALIEERINLWCDIQDGT
 IPGPIAQRFKKLEKYKNKRVELIEYQSNIKEDPSAAEAVECWKKYIEIVMLCGLLKMWEDLRRLRVHGPF
 FPRILRRRKGKRFKGTIITHIVAKVMTTDMVKNLSSDTLLQQHNDLNLALDSCYSGDIVVIFPGEYQASN
 LALLTDDITIKGVGKREEIMITSEPHSDFVVS KADNVKLMQLSLIQQGTVDGIVVVEGHLTLENCLLK
 CEGTGVCVLTGASLTIITNSEITGAQAGVELYPGSIAILEGNEIHCNNLRSDSSKSTLGGVNMKVLPA
 PKLKMTNNHIYNNNGYGVSI LQPSEQFFIVAEAAALNKGAASGDKKDDKMLSKVMQTLNVEMNNRRIEANL
 KGDIVVTG

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001033162

ORF Size: 1917 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_001033162.2](#), [NP_001028334.1](#)

RefSeq Size: 2045 bp

RefSeq ORF: 1920 bp

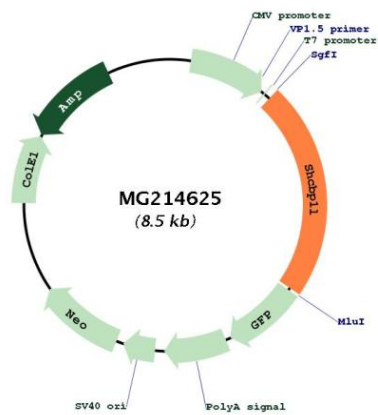
Locus ID: 71836

UniProt ID: [Q3TTP0](#)

Cytogenetics: 1 G3

Gene Summary: Testis-specific spindle-associated factor that plays a role in spermatogenesis (PubMed:24557841). In association with HSPA2, participates in the maintenance of spindle integrity during meiosis in male germ cells (PubMed:24557841).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG214625