

Product datasheet for **MR227556**

Sh3bp2 (NM_001145859) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sh3bp2 (NM_001145859) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sh3bp2
Synonyms:	3BP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR227556 representing NM_001145859
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGGCTCAGGGTCGCGGCCGCGGAGCTGGGGCTGGCGAGAGACAGGCTCCAGGGACGAGGCTGCGG
 CCGGTGGGCCACCTCGGGACCCTGTCGCTGCTCACAGGGAAGCGGGCGCTGGCCGCCCCCGGAAGCC
 GGCTGTGCCCGCGCGTGGACACCTTCATGGCGGCTGAGGAGATGCAGTGGCCTGTCCCATGAAGGCC
 ATTGGTGCCAGAATTTGCTGACCATGCCTGGTGGTGGCGAAGGCTGGTTACCTGCATAAGAAGGGTG
 GCACCAACTGCAGTGTCAAATGGCCCTCCGCTTTGTGATCATCCACAAGCGCTGCATCTACTACTT
 CAAGAGCAGCACATCTGCCTCCACAGGGTGCCTTCTCACTGAGTGGCTACAACAGAGTGTGCGAGCA
 GCTGAGGAGACCAGTCCAACAATGTCTCCCATCAAGATCATTACATCAGCAAGAAGCACCGAACAT
 GGTCTTCTCAGCGTCTCTGAGGATGAGCGCAAGAGCTGGATGGCCTTGTACGCAGGGAAATGGCCA
 CTTCCATGAGAAGAAGGAACTACCTCTAGACACCAGCGACTCTAGCTCAGACACGGACAGCTTCTATGGT
 GCAGTTGAGCGACTATAGATATCAGCCTGTCTCATATCCCATGGACAATGAAGATTACGAACATGAAG
 ATGAGGACGACTCGTACCTGGAGCCTGATTCGCCGGGGCCATGAAGCTTGAAGATGCCCTGACCTATCC
 ACCAGCCTACCCACCACCCCTGTGCCTGTACCTCGGAAGCCAGCCTTCTCTGACTTGGCCCGTGCCAC
 TCGTTCACCTCTAAAAGTCCAAGTCCCTTACTGCCACCCACCTCTAAGCGAGGCCTTCAGACACTG
 GCTCTGCCCTGAGGATGCTAAGGACGCATTGGCCTGAGGCGAGTAGAGCCTGGCCTCAGGGTGCCTGC
 CACCCCTCGGAGGATGAGTGACCCCAATGAGCAATGTACCCACCGTGCCAACCTCCGGAAACATCCT
 TGCTTCCGGGACAGTGTGAATCCCGCCCTAGAACCCTGGACCCCTGGCCATGGGACTAGCTGTCTCCA
 GCTCTACCACCATGGCCGTTGCCACCTCTAGAACTGTGACAAACTCAAGTCAATCCACCTGTCTCCCG
 AGGGCCACCCACATCTGAGCCCCACCCGTGCCTGCTAATAAGCCCAAGTTCCTGAAGATAGCTGAAGAA
 CCTTCCCGAGGGAGGCAGCAAGTTTGCACCTGTGCCCTGTGGCCCGAGGCCTCCTGTGCAGAAGA
 TGCCCATGCCTGAGGCTACTGTTGCGCCTGCAGTGTGCCTAGACCAGAGAACACACCTTCTCTCACCT
 CCAGCGATCCCCCCTGATGGACAGAGTTTCAAGGGCTTCTCCTTTGAAAAGGCCCGCCAGCCCTCACAG
 GCTGACACTGGCGAGGAGGACTCAGATGAAGACTATGAGAAGGTGCCGCTGCCTAACTCGGTGTTTGTCA
 ACACGACAGAGTCTGCGAGGTGAAAGGTTGTTCAAAGCTACGGACCCCGTGGAGAGCCTCAGGATGG
 GCTGTATTGCATTCGGAACCTCTACCAAGTCAAGGAAAGGTTTTGGTCTGTGGGATGAATCTTCTAAC
 AAAGTGAAGAATTATCGCATCTTTGAAAAGGATTCTAAGTCTACCTGGAAGGTGAGGTTCTGTTTGCCA
 GTGTGGGCAGCATGGTGGAGCACTACCACCCATGTGCTGCCAGCCATCAGAGCCTGTTGCTGCGGCA
 CCCATACGGCTACGCTGGGCCAGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR227556 representing NM_001145859
 Red=Cloning site Green=Tags(s)

MAGSGSRPRSWGRETGSRDEAAAGGPTSGPCRCSQGRRALAAPRKPAPVPAAWTPFMAAEEMQWPVPMKA
 IGAQNLLTMPGGVAKAGYLHKKGGTQLQLLKWPLRFVIIHKRCIYYFKSSTSASPQGAFLSGYNRVMRA
 AEETTSNNVFPFKIIHISKHRTWFFSASSEDERKSWMALLRREIGHFHEKKELPLDTSDDSDTDSFYG
 AVERPIDISLSSYPMDNEDYEHEDEDDSYLEPDSPGPMKLEDALTYPPAYPPPPVVPVKPAFSDLRAH
 SFTSKSPSPLPPPPPKRGLPDTGSAPEDAKDALGLRRVEPGLRVPATPRRMSDPPMSNVPTVPLNRKHP
 CFRDSVNPGLPWPHTGSSVSSSTTMAVATSRNCDKLSFHLSSRGPPTSEPPVPANKPKFLKIAEE
 PSPREAAKFAPVPPVAPRPPVQKMPMEATVRAVLPRPENTPLPHLQRSPPDGQSFRGFSFEKARQPSQ
 ADTGEEDSDEDEYKVLNPSVFNNTTESCEVERLFKATDPRGEPQDGLYCIRNSSTKSGKVLVWDESSN
 KVRNYRIFEKDSKFYLEGEVLFASVGSMEVHYHHTVLPESHQSLLLRHPYGYAGPR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001145859

ORF Size: 1845 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_001145859.1](#), [NP_001139331.1](#)

RefSeq Size: 3069 bp

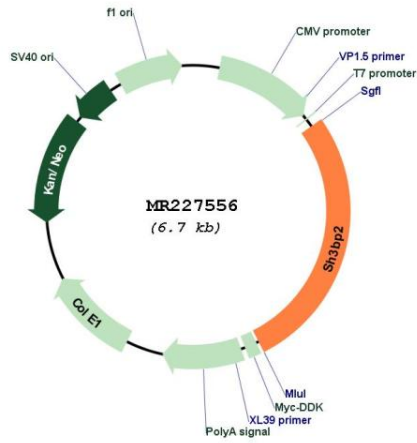
RefSeq ORF: 1848 bp

Locus ID: 24055

Cytogenetics: 5 B2

MW: 68.4 kDa

Product images:



Circular map for MR227556