

Product datasheet for **MC227927**

G3bp2 (NM_001080794) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	G3bp2 (NM_001080794) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	G3bp2
Synonyms:	AA409541; E430034L04Rik; G3BP; mKIAA0660
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC227927 representing NM_001080794
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTTATGGAGAAGCCAGTCCGCTGCTTGTGGGGCGGGAGTTGTGAGGCAATATTATACTTTGCTGA
 ATAAAGCTCCCGAGTATTTGCACAGTTCTATGGCAGGAATTCCTCTATGTTTCATGGTGGAGTGGATGC
 CAGTGGAAAGCCCGAGGAAGCAGTTTATGGCCAAAATGATATACACCACAAAGTGTATCTCTGAACTTC
 AGTGAATGTCATACAAAATTCGTATGTGGATGCTCATGCAACCTTGAGTGATGGTGTAGTGGTACAGG
 TCATGGGCTTGTGTCTAACAGTGGACAGCCTGAGAGGAAGTTTATGCAAACCTTTGTTCTGGCTCCAGA
 AGGATCTGTTCCAAATAAATTTTATGTTACAATGATATGTTTCGTTATGAAGATGAAGTGTGGTGTGAT
 TCTGAACCAGAATTGATGAAGAGTCAGAAGATGAAGTGAAGAGGAGCAAGAAGACAGGCAGCCGCTCTC
 CTGAACCTGTGCAAGAGAATGCTAACAGCGCTTACTATGACGCACACCCCGTGACTAATGGCATAGAGGA
 GCCTTTAGAAGAATCCTCTCATGAACCTGAGCCTGAGCCAGAATCTGAAACAAAGACTGAAGAGCTGAAA
 CCACAAGTGGAGGAGAAACACTTGAAGAGCTGGAGGAGAAGTCGGCCACTCCTCTCTCTGCTGAGCCTG
 CTTCTCTGCCTCAGGAACCGCCAAAGGCTTTCTCTGGGCTTCAGTGACCAGTAAAAACCTGCCTCTAG
 TGGTACTGTTTCTTCTCTGGAATTCACCCCATGTTAAAGCACCAGTCTCACAGCCGAGGGTTGATGCT
 AAGCCAGAAGTTCAGTCTCAGCCACCGCGTGTACGGGAACAGCGACCTCGAGAGCGGCCTGGTTTCCCTC
 CTCGAGGACCAAGGCCAGGCAGAGGAGATGGAACAGAATGACTCTGACAACCGGAGAATAATTCGCTA
 TCCGGACAGTCATCAGCTTTTCGTTGGTAACTTGCCATGATATTGATGAAAATGAACTGAAAGAATTC
 TTTATGAGTTTTGGAAACGTTGTGGAACCTCGCATCAATACCAAGGTGTTGGGGAAAACCTTCAAAT
 TTGGTTTTGTGGTTTTGATGACTCTGAACAGTTCAGAGAATCTTAATTGCAAAAACCAATTATGTTTCG
 AGGAGAAGTACGTTTAAATGTGGAAGAGAAAAACAAGAGCTGCCAGAGAGCGAGAAACCGAGGTGGT
 GGCGATACCGCAGGGATATCAGGCGCAATGATCGGGGCTCCTGGTGGTCCACGTGGAATTGTGGTGGT
 GAATGATGCGTGATCGTGACGGAAGAGGGCCACCTCCACGAGGTGGCATGACACAGAAACTTGGTTCTGG
 AAGAGGAACCGGCCAAATGGAAGTCGCTTCACAGGACAGCGT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001080794
- Insert Size:** 1449 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001080794.2](#), [NP_001074263.1](#)

RefSeq Size: 4373 bp

RefSeq ORF: 1449 bp

Locus ID: 23881

UniProt ID: [P97379](#)

Cytogenetics: 5 E2

Gene Summary: Scaffold protein that plays an essential role in cytoplasmic stress granule formation which acts as a platform for antiviral signaling.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1, 2, 5, 6, and 7 all encode the same isoform (a).