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Product datasheet for MC227756

G3bp2 (NM_001080795) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	G3bp2 (NM_001080795) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	G3bp2
Synonyms:	AA409541; E430034L04Rik; G3BP; mKIAA0660
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

>MC227756 representing NM_001080795
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGTTATGGAGAAGCCCAGTCCGCTGCTTGTGGGGCGGGAGTTTGTGAGGCAATATTATACTTTGCTGA
ATAAAGCTCCCGAGTATTTGCACAGGTTCTATGGCAGGAATTCCTCCTATGTTCATGGTGGAGTGGATGC
CAGTGGAAAGCCCCAGGAAGCAGTTTATGGCCAAAATGATATACACCACAAAGTGTTATCTCTGAACTTC
AGTGAATGTCATACCAAAATTCGTCATGTGGATGCTCATGCAACCTTGAGTGATGGTGTAGTGGTACAGG
TCATGGGCTTGCTGTCTAACAGTGGACAGCCTGAGAGGAAGTTTATGCAAACCTTTGTTCTGGCTCCAGA
AGGATCTGTTCCAAATAAATTTTATGTTCACAATGATATGTTTCGTTATGAAGATGAAGTGTTTGGTGAT
TCTGAACCAGAACTTGATGAAGAGTCAGAAGATGAAGTGGAAGAGGAGCAAGAAGACAGGCAGCCGTCTC
CTGAACCTGTGCAAGAGAATGCTAACAGCGCTTACTATGACGCACACCCCGTGACTAATGGCATAGAGGA
GCCTTTAGAAGAATCCTCTCATGAACCTGAGCCTGAGCCAGAATCTGAAACAAAGACTGAAGAGCTGAAA
CCACAAGTGGAGGAGAAACACTTGGAAGAGCTGGAGGAGAAGTCGGCCACTCCTCCTCCTGCTGAGCCTG
CTTCTCTGCCTCAGGAACCGCCAAAGCCGAGGGTTGATGCTAAGCCAGAAGTTCAGTCTCAGCCACCGCG
TGTACGGGAACAGCGACCTCGAGAGCGGCCTGGTTTCCCTCCTCGAGGACCAAGGCCAGGCAGAGGAGAT
ATGGAACAGAATGACTCTGACAACCGGAGAATAATTCGCTATCCGGACAGTCATCAGCTTTTCGTTGGTA
ACTTGCCTCATGATATTGATGAAAATGAACTGAAAGAATTCTTTATGAGTTTTGGAAACGTTGTGGAACT
TCGCATCAATACCAAGGGTGTTGGGGGAAAACTTCCAAATTTTGGTTTTGTGGTTTTTGATGACTCTGAA
CCAGTTCAGAGAATCTTAATTGCAAAACCAATTATGTTTCGAGGAGAAGTACGTTTAAATGTGGAAGAGA
AAAAAACAAGAGCTGCCAGAGAGCGAGAAACCAGAGGTGGTGGCGATGACCGCAGGGATATCAGGCGCAA
TGATCGGGGTCCTGGTGGTCCACGTGGAATTGTGGGTGGTGGAATGATGCGTGATCGTGACGGAAGAGGG
CCACCTCCACGAGGTGGCATGACACAGAAACTTGGTTCTGGAAGAGGAACCGGGCAAATGGAAGGTCGCT
TCACAGGACAGCGTCGTTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001080795

Insert Size: 1350 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).

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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_001080795.2, NP_001074264.1
RefSeq Size:	4226 bp
RefSeq ORF:	1350 bp
Locus ID:	23881
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 (3) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (b) has the same N- and C-termini but is shorter compared to isoform a. Variants 3, 4, and 8 all encode the same isoform (b).

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