

Product datasheet for SC308217

G3BP2 (NM_203504) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	G3BP2 (NM_203504) Human Untagged Clone
Tag:	Tag Free
Symbol:	G3BP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC308217 representing NM_203504. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGTTATGGAGAAGCCAGTCCGCTGCTTGTAGGGCGGGAGTTTGTGAGGCAATATTACTTTGCTG
AATAAAGTCCGGAATTTTACACAGTTTTATGGCAGGAATCTTCTATGTTTCATGGTGGAGTAGAT
GCTAGTGGAAAGCCCGAGGAGCTGTTTATGGCCAAAATGATATACACCACAAAGTATTATCTCTGAAC
TTCAGTGAATGTCATACTAAAATTCGTCATGTGGATGCTCATGCAACCTTGAGTGATGGAGTAGTTGTC
CAGGTGATGGGTTTGTCTAACAGTGGACAACCAGAAAAGAAAGTTTATGCAAACCTTTGTTCTGGT
CCTGAAGGATCTGTTCCAAATAAATTTTATGTTTCAATGATATGTTTCGTTATGAAGATGAAGTGT
GGTGATTCTGAGCCTGAACCTTGATGAAGAATCAGAAGATGAAGTGAAGAGGAACAAAGAAGAAAGACAA
CCATCTCTGAACCTGTGCAAGAAAATGCTAACAGTGGTTACTATGAAGCTCACCTGTGACTAATGGC
ATAGAGGAGCCTTTGGAAGAATCTCTCATGAACCTGAACCTGAGCCAGAATCTGAAACAAAGACTGAA
GAGCTGAAACCACAAGTGGAGGAGAAGAACTTAGAAGAAGTGAAGGAGAAATCTACTACTCTCTCCG
GCAGAACCTGTTTCTCTGCCACAAGAACCACCAAGCCAAAGAGTCGAAGCTAAACCAGAAGTTCAATCT
CAGCCACCTCGTGTGCGTGAACAACGACCTAGAGAACGACCTGGTTTTCTCTAGAGGACCAAGACCA
GGCAGAGGAGATATGGAACAGAATGACTCTGACAACCGTAGAATAATTCGCTATCCAGATAGTCATCAA
CTTTTTGTTGGTAACTTGCCACATGATATTGATGAAAATGAGCTAAAGGAATTCATGAGTTTTGGA
AACGTTGTGGAACCTTCGATCAATACCAAGGGTGTGGGGGAAAGCTTCCAAATTTGGTTTTGTGGTT
TTTGATGACTCTGAACCGTTCAGAGAATCTTAATTGCAAAACCGATTATGTTTCGAGGGGAAGTACGT
TTAAATGTGGAAGAGAAAAACAAGAGCTGCAAGAGAGCGAGAAAACAGAGGTGGTGGTATGATCGC
AGGGATATTAGGCGCAATGATCGAGGTCCCGGTGGTCCACGTGGAATTGTGGGTGGTGAATGATGCGT
GATCGTATGGAAGAGGACCTCCTCAAGGGTGGCATGGCACAGAACTTGGCTCTGGAAGAGGAAAC
GGGCAATGGAGGGCCGCTTACAGGACAGCGTCGCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:	□
ACCN:	NM_203504
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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<ol style="list-style-type: none">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_203504.2
RefSeq Size:	4311 bp
RefSeq ORF:	1350 bp
Locus ID:	9908
UniProt ID:	Q9UN86
Cytogenetics:	4q21.1
Protein Families:	Druggable Genome
MW:	50.8 kDa
Gene Summary:	<p>Scaffold protein that plays an essential role in cytoplasmic stress granule formation which acts as a platform for antiviral signaling.[UniProtKB/Swiss-Prot Function]</p> <p>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.</p>