

Product datasheet for **SC108038**

GTPBP2 (NM_019096) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GTPBP2 (NM_019096) Human Untagged Clone
Tag:	Tag Free
Symbol:	GTPBP2
Synonyms:	JABELS
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_019096, the custom clone sequence may differ by one or more nucleotides

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ATGGACTCGCGGGTATCGGAGCTGTTGCGCGGCTGCTGCCGGCCCGAGGGGGCCCGCCGTGGCGGAA
CCCTCAAGGCTAGGGGGCCGGCAGCAGCAGCGGCTCGGGGGGCCAAAGGGAAGAAGAAGAACGGAAG
GAACAGAGGGGGCAAAGCCAACAACCCCCGATTTGCCCCCGAGGCTGAAGATGGAAACATTGAATAT
AAATTGAAGCTGGTGAATCCATCCAGTACCGCTTTGAGCACCTGGTGACACAAATGAAGTGGCGGCTCC
AGGAGGGACGTGGTGAGGCCGTCTACCAGATTGGGGTAGAGGACAATGGGCTGCTGGTGGGGCTGGCTGA
GGAGGAAATGCGAGCTTCGCTCAAGACCCTGCACCGGATGGCAGAGAAGGTTGGGGCAGACATAACCGTT
CTTCGAGAGCGAGAAGTGGATTATGATAGCGACATGCCCGGAAGATCACCGAGGTGCTAGTACGAAAGG
TCCCTGACAACCAACAGTTCCTAGACCTCCGTGTGGCCGTCTGGGGAATGTGGACTCTGGGAAGTCAAC
TCTGCTTGGAGTCTGACCCAGGAGAGCTGGACAATGGGCGGGGCCGGCTCGGCTCAACCTTTCCGC
CACCTGCATGAGATTAGTCTGGCCGAACCTCCAGCATCAGCTTCGAGATCCTGGGCTTTAACAGCAAGG
GAGAGGTGGTGAATTACAGCGACTCACGGACAGCAGAAGAGATCTGTGAGAGCAGCTCCAAGATGATCAC
TTTCATCGACCTGGCAGGCCACCATAAGTACCTACACACCACCATCTTTGGCCTCACATCATACTGCCCC
GACTGCGCCCTGCTCCTCGTCAGTGCCAACACTGGGATTGCTGGCACCACAAGGGAACATCTGGGCTGG
CCCTGGCCCTGAAAGTGCCCTTCTTCATCGTGGTCAGCAAGATCGACCTATGTGCCAAGACCACAGTGG
GAGGACAGTACGCCAGCTGGAGCGGGTCTCAAGCAGCCTGGCTGCCACAAGGTCCCATGCTGGTCACC
TCTGAGGATGATGCCGCTCACTGCTGCCAGCAGTTTGGCTCAGTCAACCAATGTACCCCCATCTTCACAT
TGTCAGTGTGTCTGGAGAGAGTCTGGACCTCCTCAAAGTCTTTCTGAATATTCTGCCGCCACTCACAA
CAGCAAAGAGCAGGAGGAACTCATGCAGCAGTACGGAGTCCAGGTGGATGAAATCTACACAGTACCA
GAGGTGGGACTGTTGTTGGAGGAACACTTCCAGTGGGATTTGCCGTGAGGGGGACCAGCTGGTGGTGG
GCCCCACGGATGATGGCTTCTCTGGAGCTGAGAGTATGCAGCATCCAGCGCAACCGCTCTGCTGTCG
TGTGCTGCGAGCTGGTCAGGCTGCTACACTGGCGCTTGGGGACTTTGACCGTGCCTGCTTCGAAAGGGC
ATGGTGTGGTGGAGCCGGAGATGAATCCTACCATCTGCTCGGTGTTGAGGCAGAGATAGTCTTACTGT
TCCATGCCACCACCTTCCGACGAGGATTCCAGGTGACAGTACACGTGGGCAACGTACGTGAGACGGCAGT
GGTGGAAAAGATCCATGCCAAGGACAACTGCGGACAGGCGAGAAGGCAGTGGTACGTTTCCGCTTCTG
AAACCCAGAGTACCTGAAGGTGGGCGCAAACCTGCTGTTCCGGGAGGGTGTACCAAGGGCATCGGCC
ATGTCAGTGTACAAGCCATTACAGCAGGAGAAGCCAGGCCAACATGGGCTTCTGA
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_019096 unedited

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TTTGTAAACGACTCACTTATAGGGCGGCCGATTTCGGCACGAGGGNAAGGAACAGAGG
GGGCAAAGCCAACAACCCCCGATTTGCCCCCGAGGCTGAAGATGGAAACATTGAATA
TAAATTGAAGCTGGTGAATCCATCCAGTACCGCTTTGAGCACCTGGTGACACAAATGAA
GTGGCGGCTCCAGGAGGGACGTGGTGAGGCCGTCTACCAGATTGGGGTAGAGGACAATGG
GCTGCTGGTGGGGCTGGCTGAGGAGGAAATGCGAGCTTCGCTCAAGACCCTGCACCGGAT
GGCAGAGAAGGTTGGGGCAGACATAACCGTTCTTCGAGAGCGAGAAGTGGATTATGATAG
CGACATGCCCCGGAAGATCACCGAGGTGCTAGTACGAAAGGTCCCTGACAACCAACAGTT
CCTAGACCTCCGTGTGGCCGTCTGGGGAATGTGGACTCTGGGAAGTCAACTCTGCTTGG
AGTCTGACCCAGGAGAGCTGGACAATGGGCGGGGCCGGCTCGGCTCAACCTTTCCG
CCACCTGCATGAGATTAGTCTGGCCGAACCTCCAGCATCAGCTTCGAGATCCTGNGCTT
TAACAGCAAGGGAGAGGTGGTGAATTACAGCGACTCACGGACAGCAGAAGAGATCTGTGA
GAGCAGCTCCAAGATGATCACCTTCATCGACCTGNCAGGCCACCATAAGTACCTACAC
CACCATCTTTGGCCTCACATCATACTGCCCGACTGCGCCCTGCTCCTCGTCAGTCCCCA
CACTGNNGATTGCTGGCACCACAAGGAAAACATCTGGGCTGGCCCTGGCCCTGAAGTG
CCCTTCTTCATCGTGGGTGAGCAGATCGACCTATGTGCCNAGACACAGTGGAGAAGACA
GTACGCCAGCTGGAGCGGNTCCTCAGCANCC
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_019096 unedited CCGCATCTAAAGTGAGTTTTTTTTTTTTTTTTTTTCAATAAAACATTTTTATTCTGTACAA TATATATGGGTATTTAAATATATATACATATGTATATATATATATGCACAGAGAAACC TTAGCCAACAAATCCCTGAGTCCATGGGAACCCAGGACACTAACAAAGGGAAAGGAGAGT CCATGCCTAAAGAGTATGAAATATGGCAACATCTTCCCTTCGTGCTGGTCCCTGCAA CAGAGGGAAGGGAACAGTCACTACAAATTAATAAACGAGGGTTAGGTGGGCAGGAAA GTGGGGTGAGAGTGGTAGGATGGGGAACATATGCCACCAGTCTGGGAAAAGTAAAACA TTTGATCCAGCATGAAAGCCAACATGACCGCAGAGGAAAAAGACCAGACTGATGGGCCTG CAGCTGGACCTTTGGTATATGCCAAGCCTTTGCTTGGTAGCCCCACCCCTGGGCCAATCC AACAAATATAACCTGTGGGGCTAATAACCGGGAGGGGACGGGGTAAATAGGACTGCGGA ATTGATCCTAGTCAGACTGTTATGGATATTATTCGCCGAAAAATGCATATGCCTCCCC CAGGGTACTAACCACTACCCCACTTGACCCTGAGAACTATCNTAACTATATTCTACAC ATCAACTCCCCTATAGACGCACCACCTCTAACCATTTATTTCTACACACATATACTTGT TCCTTACTCTTGCCTGCATCTCTAATTTCACTAACTCTTTTTTTCAGCACATCCTCACT CTCATCTACTTATTTCTAAATTCCTATTGTCAATTCTTTAATCAACTTTAATACTCCACA TCTCATAATATATTTTTTATTACCTCCTTCATTCCTCCTAACTACATCTCACGCCTCA CCCCTTCTACAGATCTGCTCACTTCTATACTCCTCCTTACAACCCATCTAACCCAGT GAACAGTTAAATAACCCGCACTATCT
Restriction Sites:	NotI-NotI
ACCN:	NM_019096
Insert Size:	2870 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).
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_019096.2 , NP_061969.2
RefSeq Size:	3043 bp
RefSeq ORF:	1545 bp
Locus ID:	54676
UniProt ID:	Q9BX10
Cytogenetics:	6p21.1
Domains:	GTP_EFTU, GTP_EFTU_D3, GTP_EFTU_D2

Gene Summary:

GTP-binding proteins, or G proteins, constitute a superfamily capable of binding GTP or GDP. G proteins are activated by binding GTP and are inactivated by hydrolyzing GTP to GDP. This general mechanism enables G proteins to perform a wide range of biologic activities.

[supplied by OMIM, Jan 2003]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a).