

Product datasheet for **SC320469**

GTPBP5 (MTG2) (NM_015666) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GTPBP5 (MTG2) (NM_015666) Human Untagged Clone
Tag:	Tag Free
Symbol:	GTPBP5
Synonyms:	dj1005F21.2; GTPBP5; ObgH1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_015666.2
CGAGCCGGGGCCATGGCACCTGCAAGGTGTTTTTCAGCAAGATTGAGGACCGTGTTCAG
GGCGTGGGGCATTGGGCTTTGTCCACATGGGCTGGCCTGAAGCCCAGCCGGCTACTGCCA
CAGCGGGCTTCTCCAGGCTGCTCTCGGTGGCCGTGCGGACCTCGCCAAGCATCAGGAA
CTCCCGGGGAAGAAGCTGCTCTCTGAGAAAAAGCTGAAAAGTACTTTGTGGACTATCGG
AGAGTGTCTGTGTGGAGGAAACGGAGGCGCTGGGGCAAGCTGCTTCCACAGTGAGCCC
CGCAAGGAGTTTGGAGGCCCTGATGGAGGGGACGGAGGCAACGGTGGACACGTCATTCTG
AGAGTTGACCAGCAAGTCAAGTCCCTGTCGTGGTCTGTCGCGGTACCAGGGTTTCAGT
GGAGAAGATGGAGGGAGTAAAACTGCTTCGGGCGCAGTGGCGCCGTCCTCTACATCCGG
GTCCCCGTGGGACGCTGGTGAAGGAGGGAGGCAGAGTTGTGGCCGACCTGTCTTGCGTG
GGAGATGAGTACATTGCCGCGCTGGGCGGGGACAGAGGGAAAGGCAACCGCTTCTTCTG
GCCAACAAACACCGTGCCCTGTGACCTGTACCCTGGACAGCCAGGACAGCAGCGAGTT
CTCCACCTGGAGCTCAAGACGGTGGCCACGCCGAATGGTGGGATTCCTCAACGCCGGG
AAGTCTCACTGCTCCGGGCCATTTCAAACGCCAGACCCGCCGTGGCTTCTACCCGTTT
ACCACCTGAAGCCCACGTGGGATCGTCCACTACGAAGGCCACCTACAATAGCAGTG
GCCGACATCCCCGGCATCATACGAGGCGCCACCAGAACAGGGGTCTGGGTCCGGCTTC
CTCAGGCACATCGAGCGCTGCCGCTTCTCTTGTTCGTGGTGGATCTTCTCAGCCTGAG
CCGTGGACTCAAGTTGACGATTTAAAATATGAACTGGAGATGTATGAAAAGGGCCTGTCT
GCGAGGCCCCACGCAATCGTCGCAACAAGATTGACCTCCCTGAAGCCCAAGCCAATCTG
TCCCAGTCCGGGATCACTTGGGACAGGAGGTATCGTGTCTGCGGCTTGACCGGCGAG
AACCTGGAGCAGCTGCTGTTGACCTGAAGGTGCTGTATGACGCTACGCGGAGGCCGAG
CTGGGCAGGGCCGCCAGCCGCTCAGGTGTAGCCACGCCAGAGCGGGTTCGCTCTGGG
CCTCTGTCTGAGCAAACCTGGATGTGAATTCGGTGGTTTTGAATGCATAAAGTGCCTTG
GGACACGGGGGAGTTGTGGTCTTCTGGTCTCTGGGCCCGCCTGCTGGCCTGGGATGC
CCTCATGTTGGGAAGCATTCCGTGCCCCACCACCGCCTGCCCTCCGATTTCTGCACC
TGTGAGCCTGCGCCGACTGATGAGCCAGTTGCTCATTGTGCTGATTAACACCCCTAATA
AGGGGTTGGGTGCCATAACGGGGTGGCCCTGCCGCTGACTCGGGTCTCCGCCATGCAC
GCGTGGACTCTCGGATGAGCTCAGCAGAACCGCACAGCCAGACCCAGGTGAGAAGTGC
AGACCAGGGTTCTCAGCACAGTGCCTGCTGCTTCCATGGCTTGTACGGAGAGAGACC
TCTGGATCCACACTGGGGCTGCGTCTGGCCGTTGTCCAGCAGCCCTGCCGTACCGCAAG
CCCAGGCACCAGTGTCTCGGGGGCCTCACTGCTGCGCAAGGGGTGGGGCCGAGGATGCA
AGTCCAGGCAGAGCGGCGCAGGCAGCTGTGAGCTTTTCTCCATCAGCCGTCTGAGAAGAG
CAGTGAGGCCAGCTGCTTCTGTCTTCAAGCACTTCTCTGTGCTCAGTGGGAGCCAGG
AAGCCTCAGGCTTCACGACTGAATGCACCAATATCCGACCTGGCTGCGTGTCTTCTGGCT
GGGCTGCCGTGTGCACAGCAAGTTAACTAGAGGGGCTGTGGGCCATGGAAGTGTGAGCGT
TATTCTCAGAAGGCGGCCGTGGCATGGGAGGGTATAGTGAGGAGTGAAGGAGAGCGTGT
GCCTGGTAATATGGGGCGGAATTTCCACTCAGCTCCATTTGCTGGGGATTTAAAGAGAAC
CCTTGTGCTGCGCCAGGCAGTTACCGAGCCGAAGGAGATGATGGGCCTTCGCCCCCTCAG
TGGGATGGCAGCTGAGGGGGCCCTGCATTTGACCCTCGAGACTGCAGCAGCGCCTTCTCT
GTCTGTGTTTAAAGTCTTTGACAGTCAAGTACTGATGCATCCAAGCCAGGCCTATGCCTGG
TGTCTCCCTGACTGCAGAGGAGCCCCAGGGCAAGGACAGCTCAGCTGCTGGCAGCCTGCC
TGGCCATAGACATCCCCAAGTGTCTCAGGCCTCTGACATGTCCCTGAGGGGGCCCTA
AGAAAGAAAGTGGAGGGGACACTCCAGAGGCTGTGCTGGGAGGATCATGTGAGCCTGGGA
GGTCAAGGCTGCAGTGAAGCGTATTGCACCACTGCACTCCAGCCTGAGTGACAGAGCGA
GACCCTGTCTCAAAAAAAAAAAAAAAAAA
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Restriction Sites:

Please inquire

ACCN:

NM_015666

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_015666.2 , NP_056481.1
RefSeq Size:	3085 bp
RefSeq ORF:	1221 bp
Locus ID:	26164
UniProt ID:	Q9H4K7
Cytogenetics:	20q13.33
Domains:	GTP1_OBG
Gene Summary:	Small G proteins, such as GTPBP5, act as molecular switches that play crucial roles in the regulation of fundamental cellular processes such as protein synthesis, nuclear transport, membrane trafficking, and signal transduction (Hirano et al., 2006 [PubMed 17054726]). [supplied by OMIM, Mar 2008]