

## Product datasheet for **SC321989**

### **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:	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 SC321989
GGGGAGGGGCCGGGCGGGGGGCTGGCGGCAGCGCGGATGGACTCGCGGGTATCGGAGCT
GTTTCGGCGGCTGCTGCCGGCCCGAGGGGGCCCGCCGTGGGCGGAACCTCAAGGCTAG
GGGGGCCGGCAGCAGCAGCGGCTGCGGGGGGCCAAAGGAAAGAAGAAGAACGGAAGGAA
CAGAGGGGGCAAAGCCAACAACCCCCGTTATTTGCCCCCGAGGCTGAAGATGGAACAT
TGAATATAAATTGAAGCTGGTGAATCCATCCCAGTACCGCTTTGAGCACCTGGTGACACA
AATGAAGTGGCGGCTCCAGGAGGGACGTGGTGAGGCCGTCTACCAGATTGGGGTAGAGGA
CAATGGGCTGCTGGTGGGGCTGGCTGAGGAGGAAATGCGAGCTTCGCTCAAGACCTGCA
CCGGATGGCAGAGAAGGTTGGGGCAGACATAACCGTTCTTCGAGAGCGAGAAGTGGATTA
TGATAGCGACATGCCCCGGAAGATCACCGAGGTGCTAGTACGAAAGTCCCTGACAACCA
ACAGTTCTAGACCTCCGTGTGGCCGTCTGGGAATGTGGACTCTGGGAAGTCAACTCT
GCTTGAGTCTGACCCAGGGAGAGCTGGACAATGGGCGGGGCCGGGCTCGGCTCAACCT
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GGGCTTTAACAGCAAGGGAGAGGTGGTGAATTACAGCGACTCACGGACAGCAGAAGAGAT
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ACACACCACCATCTTTGGCCTCACATCATACTGCCCCGACTGCGCCCTGCTCCTCGTCAG
TGCCAACACTGGGATTGCTGGCACCACAAGGGAACATCTGGGGCTGGCCCTGGCCCTGAA
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GACAGTACGCCAGCTGGAGCGGGTCCCTCAAGCAGCCTGGCTGCCACAAGGTCCCCATGCT
GGTCACCTCTGAGGATGATGCCGTCACTGCTGCCCAGCAGTTTGCTCAGTCACCCAATGT
CACCCCATCTTCACATTGTCCAGTGTGTCTGGAGAGAGTCTGGACCTCCTCAAAGTCTT
TCTGAATATTCTGCCGCACTCACCAACAGCAAAGAGCAGGAGGAACATGCAGCAGCT
GACGGAGTTCAGGTGGATGAAATCTACACAGTACCAGAGGTGGGACTGTTGTTGGAGG
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CGTGGGCAACGTACGTACAGCGGAGTGGTGAAAAGATCCATGCCAAGGACAACTGCG
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GGGCGCCAACTGCTGTTCCGGGAGGGTGTACCAAGGGCATCGGCCATGTCACTGATGT
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GACAGTCTATTGCTGTCCCTACAATATATAAGGTGACTTCTGGCCATGCTGCCCTGCCA
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TGCCAACCTTTCTGGAGAGGTGCCAACTTGGTGTGGCCAGGAAAGGGCAGTCTGAGGGA
GAAGACAGGATTACGGGAGTGTCCGAAGCTGTGTGCTCACCTGGTGGCTCATCAAAC
CTGGCAACCTGTGGCCTGTCTGCCGAGCTGACTGGATCCACTCATCAATCTTCGTCC
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ACAGGGGGTAGCCCTCAAAGCACTCCTTTTTCTATACCTCTTCTCAAGGCCATGTAAGT
TGCCCATCTCTACCTGGCTGTGGACAAAAGGTTATCTGCTCTTGCCCATCTGGTGGTGGT
GGCGGCCAGAGTCTGAAGAAATGGCACAGGGACAGTGAATGGTAGTGTTGCCACCCTGT
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CCCCAGTCCCTATCTCCCCATCCCTCCCGGCTTATAGGCCCCACAGGTGCTATTTGTT
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TCCTGCCCCACCTAAACCCTCGTTTTAGTAATTTGTAGTACTGTTCCCTTCCCTGTT
GCAGGGAACCAAGAGGAAAGGAAAGATGTTGCCATATTCCTACTCTTAGGCATGGAC
TCTCTTTCCCTTTGTTAGTGTCTGGGTCCCATGGACTCAGGGATTTGTTGGCTAAGG
TTTCTCTGTGCATATATATATATACATATGTATATATATTTAAATACACATATATATT
GTACAGAATAAAAATGTTTTATTGAAAAAAAAAAAAAAAAA
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<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_019096
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_019096.3</a></u> , <u><a href="#">NP_061969.3</a></u>
<b>RefSeq Size:</b>	2996 bp
<b>RefSeq ORF:</b>	1809 bp
<b>Locus ID:</b>	54676
<b>UniProt ID:</b>	<u><a href="#">Q9BX10</a></u>
<b>Cytogenetics:</b>	6p21.1
<b>Domains:</b>	GTP_EFTU, GTP_EFTU_D3, GTP_EFTU_D2
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a).</p>