

## Product datasheet for **SC323086**

### **GTPBP3 (NM\_001128855) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	GTPBP3 (NM_001128855) Human Untagged Clone
Tag:	Tag Free
Symbol:	GTPBP3
Synonyms:	COXPD23; GTPBG3; MSS1; MTGP1; THDF1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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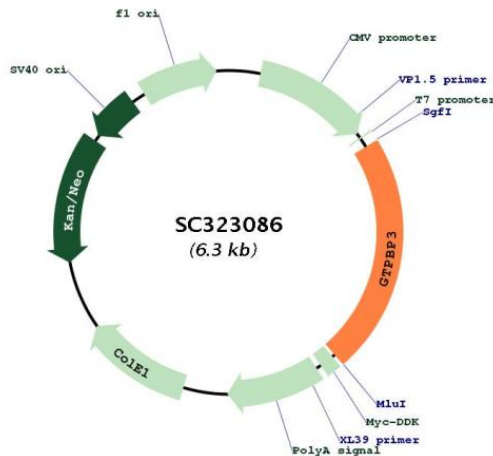
**Fully Sequenced ORF:** >SC323086 representing NM\_001128855.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
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AGCAGCGGGCCACCAGCCCCGGCTCCGGCCACCATTTCGCGCTAAGCTCTGGCCAAGCCGCTGC
GGCATCGCAGTGATCCGGACCAGCGGCCCGCCAGCGGCCACGCCCTCCGAATTCACAGCACCCGA
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CGCGCACTGGTGTCTGGTTCCAGGTCCCAGAGTTTACCAGGTGAGGACTGCGTGGAGTTCCACGTG
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TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
  
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**Restriction Sites:** SgfI-MluI

**Plasmid Map:**



**ACCN:** NM\_001128855

**Insert Size:** 1416 bp

<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_001128855.2</a></u>
<b>RefSeq Size:</b>	2549 bp
<b>RefSeq ORF:</b>	1416 bp
<b>Locus ID:</b>	84705
<b>UniProt ID:</b>	<u><a href="#">Q969Y2</a></u>
<b>Cytogenetics:</b>	19p13.11
<b>MW:</b>	49.8 kDa
<b>Gene Summary:</b>	<p>This locus encodes a GTP-binding protein. The encoded protein is localized to the mitochondria and may play a role in mitochondrial tRNA modification. Polymorphisms at this locus may be associated with severity of aminoglycoside-induced deafness, a disease associated with a mutation in the 12S rRNA. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Sep 2010]</p> <p>Transcript Variant: This variant (III) lacks an in-frame segment and uses an alternate, in-frame splice site in the CDS, compared to variant IV. The resulting protein (isoform III) is shorter than isoform IV.</p>