

Product datasheet for **SC305978**

GTPBP3 (NM_133644) Human Untagged Clone

Product data:

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|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | GTPBP3 (NM_133644) 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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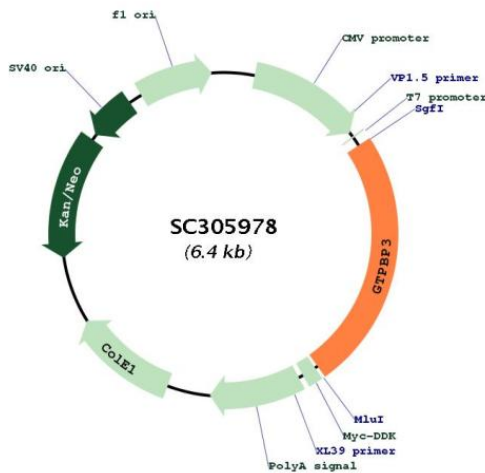
Fully Sequenced ORF: >SC305978 representing NM_133644.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTGGCGGGGGCTTTGGACCTGGCGGCCAAGCGGCACGTGGCCCTCGCAGATTGTGCACCGCCCGG
AGCAGCGGGCCACCAGCCCCGGCTCCGGCCACCATTTCGCGCTAAGCTCTGGCCAAGCCGCTGC
GGCATCGCAGTGATCCGGACCAGCGGCCCGCCAGCGGCCACGCCCTCCGAATTCACAGCACCCCGA
GACCTGCCCTTGTCTGCCACGCCAGCCTGCGCCTGCTCAGCGATCCCCGCTCCGGGGAGCCTCTGGAC
CGCGCACTGGTGTCTGGTTCCAGGTCCCAGAGTTTACCAGGTGAGGACTGCGTGGAGTTCACGTG
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GAGGCAGCGAGTTCACCAGACGGGCTTCGCCAATGGGAAGCTGAACCTGACCGAAGTGGAGGGCTG
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AAAGACCTGGCCCTGGCGGCAGAGGGCTGCGGGTGGCCCGGGTACCTGACCCGGCTCACAGGTGGA
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_133644

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| Insert Size: | 1575 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: | <u>NM_133644.3</u> |
| RefSeq Size: | 2708 bp |
| RefSeq ORF: | 1575 bp |
| Locus ID: | 84705 |
| UniProt ID: | <u>Q969Y2</u> |
| Cytogenetics: | 19p13.11 |
| MW: | 55.6 kDa |
| Gene Summary: | <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 (IV) represents the longest transcript and it encodes the longest protein (isoform IV). This variant is also referred to as isoform V in PubMed IDs 12370316 and 18852288.</p> |