

## Product datasheet for SC212041

### GTPBP3 (NM\_133644) Human 3' UTR Clone

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | 3' UTR Clones  |
| Product Name:             | GTPBP3 (NM_133644) Human 3' UTR Clone  |
| Symbol:                   | GTPBP3   |
| Synonyms:                 | COXPD23; GTPBG3; MSS1; MTGP1; THDF1  |
| Mammalian Cell Selection: | Neomycin   |
| Vector:                   | pMirTarget (PS100062)  |
| ACCN:                     | NM_133644  |
| Insert Size:              | 1058 bp  |
| Insert Sequence:          | >SC212041 3'UTR clone of NM_133644<br>The sequence shown below is from the reference sequence of NM_133644. The complete sequence of this clone may contain minor differences, such as SNPs.<br><b>Blue</b> =Stop Codon <b>Red</b> =Cloning site |

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
ATCTTCCAGGACTTCTGTGTGGCAAGTGACGGGATCCAGGGAAGTCGCACCCAAGCTGCGTGGAGACC
CAGGAGCCTCGGGGATCTGGAAACAGTTTAGGCCAATTGGGATTCTCATTGCGCTGGGAAAGAATTG
ATTCTCAATAGTGAAGCAACACAGCTGAGAGGTAGTGAGATCCCTGCAGGGACTCCCTGGAGATTCAG
GCCCTGGAATGGGGCTGAATGGAGTCCCGTTCGACCCTTGATGCTGGGGCATCCGGGTTGGGATGGAG
ATAGGAGGATCTCAGTATATTTGTTTCGTAGTTTTTTATTTATTTTGCAAATACCAAAGGAATGTAAAA
AAAACCTCAGGTGATCTAGAAGTGTTATTTTCTCCCTTCCCTTCCCTTCCCTTCCCTTCCCTTCCCTTCC
CTTTCCCTTCCCTTCCCTTCCCTTCCCTTCCCTTCCCTTCCCTTCCCTTCCCTTCCCTTCCCTTCCCTTCC
GCAGTGGTGCGACCTTGGCTCACTGCAACCTCCATCTCCGGGGCTCAAGCGCTTCTCCTGCCTCAGCCT
CCTGAGTAGCTGGGATTACAGGCATGTGCCAGCATGCCGGCTAATTTTTTTCTTTTTTTGAGACAGAG
TCTCGCTGTCAACCAGGCTGGAGTTCAGTGGTGGACCTCGGCTTACTGCAACCTCCACCTCCCGGG
TTCAAGTGATTTCTCTGCCTCAGCCTCTTGAGTAGCTGGGACTACAGGCGCACACCACCAGCCAGGCT
AATTTTTGTATTTTTAGTAGAGACAAGGTTTCACCATGTTGACCAAGGCTGGTCTTGAACCTCTTGACCT
CAGGTAATCTGCCTACCTTGGCCTCCCAAGTGCTGGGATCACAGGCGTGAGCTATCACACCTGGCCCC
AGAAGTGTTCACATGGAATTTTCTTAGCCCTTCTGTGGTTGTCATGGCTTAATGTGTGCTTTCC
AGAACCTTGAATGTTTGCATACTGTGGATGTACCTTTCAAATATGTTTGTCTTGTGTATCATATATAA
ATGGTATTGTGTTCAATTGCTCTA
ACGCGTAAGCGGCCGCGGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG

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Restriction Sites: SgfI-MluI



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|------------------------|--|
| <b>OTI Disclaimer:</b> | Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).   |
| <b>Components:</b>     | The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.   |
| <b>RefSeq:</b>         | <a href="#">NM_133644.4</a>  |
| <b>Summary:</b>        | 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] |
| <b>Locus ID:</b>       | 84705  |
| <b>MW:</b>             | 39.3   |