

Product datasheet for **SC307704**

GBP6 (NM_198460) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GBP6 (NM_198460) Human Untagged Clone
Tag:	Tag Free
Symbol:	GBP6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC307704 representing NM_198460.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGGAATCTGGACCCAAATGTTGGCCCCGTTTGCCTGGTGGAAAATAACAATGAGCAGCTATTGGTG
AACCAGCAAGCTATACAGATTCTTGAAAAGATTTCTCAGCCAGTGGTGGTGGTGGCCATTGTAGGACTG
TACCGTACAGGGAAATCCTACTTGATGAACCATCTGGCAGGACAGAATCATGGCTTCCCTCTGGGCTCC
ACGGTGCAGTCTGAAACCAAGGGCATCTGGATGTGGTGGCTGCCACCCATCCAAGCCAAACCACACC
CTGGTCTTCTGGACACCGAAGGTCTGGGCGATGTGAAAAGGGTGACCTAAGAATGACTCCTGGATC
TTTGCCCTGGCTGTGCTCTGTGCAGCACCTTTGTCTACAACAGCATGAGCACCATCAACCACAGGCC
CTGGAGCAGCTGCATTATGTGACGGAGCTCACAGAATAATTAAGGCAAAGTCTCCCAAGGCCTGAT
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CAAGGCAATAATCCAGAGTTCAAACATCCAATTTTCCAGGGAGTGCATCAGGCGTTTCTTTCCAAAA
CGGAAGTGTTCGTCTTTGACCGCCAAACAAATGACAAAGACCTTCTAGCCAATATTGAGAAGGTGTCA
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GTGAGCTCACTCTTTAAAAGCATAAGCTCCCCCTTTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_198460

Insert Size: 1902 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:

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_198460.2](#)

RefSeq Size: 4867 bp

RefSeq ORF: 1902 bp

Locus ID: 163351

UniProt ID: [Q6ZN66](#)

Cytogenetics: 1p22.2

MW: 72.4 kDa

Gene Summary: Guanylate-binding proteins, such as GBP6, are induced by interferon and hydrolyze GTP to both GDP and GMP (Olszewski et al., 2006 [PubMed 16689661]).[supplied by OMIM, Dec 2008]
 Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.