

Product datasheet for **SC308513**

GBP7 (NM_207398) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GBP7 (NM_207398) Human Untagged Clone
Tag:	Tag Free
Symbol:	GBP7
Synonyms:	GBP4L
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_207398 edited
 ATGGCATCAGAGATCCACATGCCAGGCCAGTGTGCCTCACTGAGAACACTAAAGGGCAT
 CTGGTGGTGAATTCAGAAAGCTCTGGAAATCCTGTCTGCCATTACACAGCCTGTAGTAGTG
 GTGGCAATTGTGGGCCTCTACCGCACAGGCAAATCCTACCTAATGAACAAGCTGGCTGGG
 AAGAACAAGGCTTCCCTCTGGGCTGCACAGTGAAGTCTGAAACCAAAGGCATCTGGATG
 TGGTGTGTGCCCCACCCCTCAAAGCCAAACCACACCCTGATCCTTCTGGACACGGAGGGC
 CTGGGTGATATGGAAAAGAGTGACCCTAAGAGTGACTCGTGGATCTTTGCCCTGGCTGTG
 CTTCTAAGCAGCAGCTTTGTCTACAACAGCATGGGCACCATCAACCACCAGGCCCTGGAG
 CAGCTGCACTACGTGACTGAGCTAACAGAGCTAATCAGGGCAAAATCGTGCCCCAGACCT
 GATGAAGTTGAGGACTCCAGCGAGTTTGTGAGTTTCTTTCCAGACTTTATTTGGACTGTT
 CGAGATTTTACCCTGGAGCTGAAGTTAGATGGACACCCCATCACAGAAGATGAGTACCTG
 GAGAATGCCTTGAAGCTGATTTCAAGCAAGAATCCCCAAATCCAAAATTCTAACAAAGCCC
 AGGGAGTGGATCAGGCATTTCTTTCCAAAACAGAAGTGTCTTTGCTTTGACCGGCAATA
 AATGACAAAAAATCTTACTCCATGTTGAAGAAGTACGAGAAGACCAACTGGATAGTAAT
 TTCCAGATGCAATCAGAAAATTTCTGTTCTTATATCTTCAACCATGCAAAGACCAAGACC
 CTGAGAGAGGGAATCCTTGTCACTGGAACCCGGCTGGGGATGCTGGTGGAGACCTACCTG
 GATGCCATCAACAGTGGAGCGACTCCTTGTCTGGAGAATGCAATGGCAGTTCTGGCCAG
 TGTGAGAACTCAGCAGCCGTGCAGAGGGCAGCCAACACTACAGCCAGCAGATGGCCAG
 CAAGTGAGATTTCCACAGACACACTCCAGGAGCTGCTGGACGTGCATGCAGTTTGTGAG
 AGGGAAGCCATTCAGCTTTCATGGAGTACTCCTTCAAAGATAAAAGCCAGGAATTTAG
 AAGAAGCTTGTGGACACCATGGAGAAAAAGAAGGAAGACTTTGTGCTGCAGAATGAAGAG
 GCATCTGCCAAAATATTGTCAGGCTGAGCTTAAGCGGCTTTCAGAGCTCTTGACAGAAAGT
 ATTTCAAGAGGAACTTTCTTTGTTCCGGGGGGGCACAATATCTACTTAGAAGCAAAAAG
 AAGATTGAACAGGACTATACACTAGTGCCAGAAAAGGAGTTAAGGCAGACGAGGTCCTC
 CAGAGCTTCTGCACTACAGGTGGTTATAGAGGAATCCATCCTGCACTCAGACAAGGCC
 CTCCTGCTGGAGAGAAGGCCATAGCAGCTAAGCAGGCTAAGAAGGAGGCAGCTGAAAAG
 GAACAGGAGCTGCTAAGACAAAAACAGAAGGAACAGCAGCAATGATGGAGGCTCAAGAG
 AGAAGTTTCCAGGAAAACATAGCTCAACTCAAGAAGAAGATGGAGAGGGAAAGGGAAAAC
 TATATGAGAGAACTGAGAAAGATGTTGAGTCACAAGATGAAGTCTAGAAAGAACTGCTT
 ACTGAAGGATTTAAAGAGATATTTGAGTCGTTAAATGAAGAGATTAATCGACTGAAAGAA
 CAAATTGAAGCAGCTGAAAATGAAGAGCCCTCAGTGTTTTACAGATTCTTGATGTGGCT
 GGCAGTATATTTATTGCAGCACTACCTGGGGCTGCTAAGCTAGTTGATTTAGGAATGAAA
 ATCTTAGCTCATTATGTAATAGGCTGAGAAATCCTGGTAAGAAAATTATAAGCTGA

- Restriction Sites:** Please inquire
- ACCN:** NM_207398
- Insert Size:** 2000 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:** The ORF of this clone has been fully sequenced and found to be a perfect match to NM_206398.1.
- 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_207398.1](#), [NP_997281.1](#)

RefSeq Size: 2418 bp

RefSeq ORF: 1917 bp

Locus ID: 388646

UniProt ID: [Q8N8V2](#)

Cytogenetics: 1p22.2

Gene Summary: Guanylate-binding proteins, such as GBP7, are induced by interferon and hydrolyze GTP to both GDP and GMP (Olszewski et al., 2006 [PubMed 16689661]).[supplied by OMIM, Dec 2008]