

## Product datasheet for **SC118872**

### **GBP1 (NM\_002053) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	GBP1 (NM_002053) Human Untagged Clone
Tag:	Tag Free
Symbol:	GBP1
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None



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Fully Sequenced ORF: >OriGene ORF within SC118872 sequence for NM\_002053 edited (data generated by NextGen Sequencing)

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ATGGCATCAGAGATCCACATGACAGGCCCAATGTGCCTCATTGAGAACACTAATGGGCGA
CTGATGGCGAATCCAGAAGCTCTGAAGATCCTTTCTGCCATTACACAGCCTATGGTGGT
GTGGCAATTGTGGGCCTCTACCGCACAGGCAAATCCTACCTGATGAACAAGCTGGCTGGA
AAGAAAAAGGGCTTCTCTCTGGGCTCCACGGTGCAGTCTCACACTAAAGGAATCTGGAT
TGGTGTGTGCCCAACCCCAAGAAGCCAGGCCACATCCTAGTTCTGCTGGACACCGAGGGT
CTGGGAGATGTAGAGAAGGGTGACAACCCAGAATGACTCCTGGATCTTCGCCCTGGCCGTC
CTCCTGAGCAGCACCTTCGTGTACAATAGCATAGGAACCATCAACCAGCAGGCTATGGAC
CAACTGTACTATGTGACAGAGCTGACACATAGAATCCGATCAAAATCCTCACCTGATGAG
AATGAGAATGAGGTTGAGGATTCAGCTGACTTTGTGAGCTTCTCCAGACTTTGTGTGG
ACACTGAGAGATTTCTCCCTGGACTTGGAAGCAGATGGACAACCCCTCACACCAGATGAG
TACCTGACATACTCCCTGAAGCTGAAGAAAGGTACCAGTCAAAAAGATGAACTTTTAAC
CTGCCCAGACTCTGTATCCGAAATTTCTCCAAAGAAAAATGCTTTGTCTTTGATCGG
CCCGTTACCCGCAGGAAGCTTGCCAGCTCGAGAACTACAAGATGAAGAGCTGGACCCC
GAATTTGTGCAACAAGTAGCAGACTTCTGTTCTACATCTTTAGTAATCCAAAACATAAA
ACTCTTTTCAAGGAGCATCCAGGTCAACGGGCTCGTCTAGAGAGCCTGGTGCTGACCTAC
GTCAATGCCATCAGCAGTGGGGATCTGCCGTGCATGGAGAACGCAGTCTTGGCCTTGGCC
CAGATAGAGAACTCAGCTGCAGTGCAAAAGGCTATTGCCCACTATGAACAGCAGATGGGC
CAGAAGGTGCAGCTGCCACAGAAAGCCTCCAGGAGCTGCTGGACCTGCACAGGGACAGT
GAGAGAGAGGCCATTGAAGTCTTCATCAGGAGTTCCTTCAAAGATGTGGACCATCTATTT
CAAAAGGAGTTAGCGGCCAGCTAGAAAAAAGCGGGATGACTTTTGTAAACAGAATCAG
GAAGCATCATCAGATCGTTGCTCAGCTTTACTTCAGGTCATTTTCAGTCCTCTAGAAGAA
GAAGTGAAGGCGGAATTTATTGAAACCAGGGGCTATCGTCTCTTTGTTTCAGAAGCTA
CAAGACCTGAAGAAAAAGTACTATGAGGAACCGAGGAAGGGGATACAGGCTGAAGAGATT
CTGCAGACATACTTGAATCCAAGGAGTCTATGACTGATGCAATTCTCCAGACAGACCAG
ACTCTCACAGAAAAAGAAAGGAGATTGAAGTGGAACGTGTGAAAGCTGAGTCTGCACAG
GCTTCAGCAAAAATGTTGCAGGAAATGCAAGAAAGAATGAGCAGATGATGGAACAGAAG
GAGAGGAGTTATCAGGAACACTTGAACAACACTGACTGAGAAGATGGAGAACGACAGGGTC
CAGTTGCTGAAAGAGCAAGAGAGGACCCCTCGTCTTAAACTTCAGGAACAGGAGCAACTA
CTAAAAGAGGGATTTCAAAAAGAAAGCAGAATAATGAAAAATGAGATACAGGATCTCCAG
ACGAAAAATGAGACGACGAAAGGCATGTACCATAAGCTAA
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Clone variation with respect to NM\_002053.2  
1046 c=>g

<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_002053 unedited ATACGACTCACTATAGGGCGGCCGCAATTCGGCACGAGGGGAACAGCCTGGACATGGCA TCAGAGATCCACATGACAGGCCCAATGTGCCTCATTGAGAACACTAATGGGCGACTGATG GCGAATCCAGAAGCTCTGAAGATCCTTTCTGCCATTACACAGCCTATGGTGGTGGTGCA ATTGTGGGCTCTACCGCACAGGCAAATCCTACCTGATGAACAAGCTGGCTGGAAAGAAA AAGGGCTTCTCTCTGGGCTCCACGGTGCAGTCTCACACTAAAGGAATCTGGATGTGGTGT GTGCCCCACCCCAAGAAGCCAGGCCACATCCTAGTTCTGCTGGACACCGAGGGTCTGGGA GATGTAGAGAAGGGTGACAACCAGAATGACTCCTGGATCTTCGCCCTGGCCGTCCTCCTG AGCAGCACCTTCGTGTACAATAGCATAGGAACCATCAACCAGCAGGCTATGGACCAACTG TACTATGTGACAGAGCTGACACATAGAATCCGATCAAAATCCTCACCTGATGAGAATGAG AATGAGGTTGAGGATTACAGTGACTTTGTGAGCTTCTCCAGACTTTGTGTGGACACTG AGAGATTTCTCCCTGGACTTGAAGCAGATGGACAACCCCTCACACCAGATGAGTACCTG ACATACTCCCTGAAGCTGAAGAAGGTACCAGTCAAAAAGATGAACTTTAACCTGCCCA GACTCTGTATCCGAAATTTCTCCAAAGAAAAATGCTTTGTCTTTGATCGGCCCGTTCA CCGCAGGAAGCTTGCCCGACTCGAGAACTACAAGATGAAAGAGCTGGACCCCGNAATTG TGACAGTAGCAGACTTCTGGTCTACATCTTTAGTAATNCCAACTAAAACCTTTTCAG AGCATNCAGTCAACGGGCTCGCTAGAGACCTGGGGCTGACTACGTCATGCATCACAGG GGGACTGCGN
<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_002053 unedited CAACCACTCTCCTAGNACTTTTGACACATAAGACAAAAGTCTACATATACTAGGTAACAC AAGAGCATTATTAATGAGTCAAAAATGTCAAAAAAAAAATCCCATATTCTTTCTGGGG AAACTCAGAAAGATTTCAAGTATGAGTGTAAAGATTAGAAAAGACTATCATAAGCTTTA ACATTCTAAATAAAGTAATTGAATTATTTAGTTTACACAGCATTCTTTAAAGT CCATCTTTGCAAATTATACGTTGCTATAAATACATTGTGTATTTGGCATTATGTGAATTT GTTAATCCAGTGTCAATTGTCTAATGGTCTAAAGTGTCCATTGAAGTTATAATCTGGA TGAAGTGAACAATAAGAGAAGTTTTCTCATTAGCCCAATTGTTTATCACTCAATTCCTA CTCCTGCCCATGGTTTCTCCACCTTCTCTGGAGAACATAAAGAGATTCTAGATCTCTG TATAAGGTGGTTTGTCTTAGCTTGAATCATCAGTGAGGATTATACATGGGCAATGTCCA GAAATCACATTATTGCTCATAGACCGTGTAGTCTTGATCTAATGGATAACTGTTCAATTG CTTCACTAAGAAACTAGGGTGGTTTGCCCTGATATTGGGACATTGTAGACTTGGCCATGA CCATGCCCCAAAAATTTCCCAAGACTTTTACCTAAGAAGTCTGCTTACATCCATTTGTCT ACTGCTGGCCATCTGGCAGAATAAACTTCCCCTGAGCGGCACCAGCCTTATGAATATCC CTGACCTGTTCCCGAGGTAATGCATCTTTGTTGGCCAATCTCACAGCCTTTTTTCTTCT TCAAAAAAACAGGCTTTTGATTCTTGCCN
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_002053
<b>Insert Size:</b>	2900 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>RefSeq:</b>	<a href="#">NM_002053.1</a> , <a href="#">NP_002044.1</a>
<b>RefSeq Size:</b>	2881 bp
<b>RefSeq ORF:</b>	1779 bp
<b>Locus ID:</b>	2633
<b>UniProt ID:</b>	<a href="#">P32455</a>

**Domains:** GBP

**Gene Summary:** Guanylate binding protein expression is induced by interferon. Guanylate binding proteins are characterized by their ability to specifically bind guanine nucleotides (GMP, GDP, and GTP) and are distinguished from the GTP-binding proteins by the presence of 2 binding motifs rather than 3. [provided by RefSeq, Jul 2008]