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Product datasheet for SC120168

GBP4 (NM_052941) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GBP4 (NM_052941) Human Untagged Clone
Tag:	Tag Free
Symbol:	GBP4
Synonyms:	Mpa2
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>OriGene ORF sequence for NM_052941 edited
ATGGGTGAGAGAACTCTTCACGCTGCAGTGCCCACACCAGGTTATCCAGAATCTGAATCC
ATCATGATGGCCCCCATTTGTCTAGTGGAAAACCAGGAAGAGCAGCTGACAGTGAATTCA
AAGGCATTAGAGATTCTTGACAAGATTTCTCAGCCCGTGGTGGTGGTGGCCATTGTAGGG
CTATACCGCACAGGAAAATCCTATCTCATGAATCGTCTTGCAGGAAAGCGCAATGGCTTC
CCTCTGGGCTCCACGGTGCAGTCTGAAACTAAGGGCATCTGGATGTGGTGTGTGCCCCAC
CTCTCTAAGCCAAACCACACCCTGGTCCTTCTGGACACCGAGGGCCTGGGCGATGTAGAA
AAGAGTAACCCTAAGAATGACTCGTGGATCTTTGCCCTGGCTGTGCTTCTAAGCAGCAGC
TTTGTCTATAACAGCGTGAGCACCATCAACCACCAGGCCCTGGAGCAGCTGCACTATGTG
ACTGAGCTAGCAGAGCTAATCAGGGCAAAATCCTGCCCCAGACCTGATGAAGCTGAGGAC
TCCAGCGAGTTTGCGAGTTTCTTTCCAGACTTTATTTGGACTGTTCGGGATTTTACCCTG
GAGCTAAAGTTAGATGGAAACCCCATCACAGAAGATGAGTACCTGGAGAATGCCTTGAAG
CTGATTCCAGGCAAGAATCCCAAAATTCAAAATTCAAACATGCCTAGAGAGTGTATCAGG
CATTTCTTCCGAAAACGGAAGTGCTTTGTCTTTGACCGGCCTACAAATGACAAGCAATAT
TTAAATCATATGGACGAAGTGCCAGAAGAAAATCTGGAAAGGCATTTCCTTATGCAATCA
GACAACTTCTGTTCTTATATCTTCACCCATGCAAAGACCAAGACCCTGAGAGAGGGAATC
ATTGTCACTGGAAAGCGGCTGGGGACTCTGGTGGTGACTTATGTAGATGCCATCAACAGT
GGAGCAGTACCTTGTCTGGAGAATGCAGTGACAGCACTGGCCCAGCTTGAGAACCCAGCG
GCTGTGCAGAGGGCAGCCGACCACTATAGCCAGCAGATGGCCCAGCAACTGAGGCTCCCC
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GTCTTCATGGAGCACTCCTTCAAGGATGAAAACCATGAATTCCAGAAGAAGCTTGTGGAC
ACCATAGAGAAAAAGAAGGGAGACTTTGTGCTGCAGAATGAAGAGGCATCTGCCAAATAT
TGCCAGGCTGAGCTTAAGCGGCTTTCAGAGCACCTGACAGAAAGCATTTTGAGAGGAATT
TTCTCTGTTCCTGGAGGACACAATCTCTACTTAGAAGAAAAGAAACAGGTTGAGTGGGAC
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GAAAGGCTGCTAAAACACAAGCTGAAGGTACAAGAAGAAATGCTTAAGGAAGAATTTCAA
AAGAAATCTGAGCAGTTAAATAAAGAGATTAATCAACTGAAAGAAAAAATTGAAAGCACT
AAAAATGAACAGTTAAGGCTCTTAAAGATCCTTGACATGGCTAGCAACATAATGATTGTC
ACTCTACCTGGGGCTTCCAAGCTACTTGGAGTAGGGACAAAATATCTTGGCTCACGTATT
TAA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_052941 unedited
GTCACCTTTTGTATACGACTCACTATAGGCGGCCGCGAATTCGCACGAGGCGAGGATCCA
GGCGCAGGAGGACAGAGCATGGGTGAGAGAACTCTTCACGCTGCAGTGCCCACACCAGGT
TATCCAGAATCTGAATCCATCATGATGGCCCCCATTTGTCTAGTGGAAAACCAGGAAGAG
CAGCTGACAGTGAATTCAAAGGCATTAGAGATTCTTGACAAGATTTCTCAGCCCGTGGTG
GTGGTGGCCATTGTAGGGCTATACCGCACAGGAAAATCCTATCTCATGAATCGTCTTGCA
GGAAAGCGCAATGGCTTCCCTCTGGGCTCCACGGTGCAGTCTGAAACTAAGGGCATCTGG
ATGTGGTGTGTGCCCCACCTCTCTAAGCCAAACCACACCCTGGTCCTTCTGGACACCGAG
GGCCTGGGCGATGTAGAAAAGAGTAACCCTAAGAATGACTCGTGGATCTTTGCCCTGGCT
GTGCTTCTAAGCAGCAGCTTTGTCTATAACAGCGTGAGCACCATCAACCACCAGGCCCTG
GAGCAGCTGCACTATGTGACTGAGCTAGCAGAGCTAATCAGGGCAAAATCCTGCCCCAGA
CCTGATGAAGCTGAGGACTCCAGCGAGTTTGCGAGTTTCTTTCCAGACTTTATTTGGACT
GTTCGGGATTTTACCCTGGAGCTAAAGTTAGATGGAAACCCCATCACAGAAGATGAGTAC
CTGGAGAATGCCTTGAAGCTGATTCCAGGCAAGAATCCCAAAATTCAAAATTCAAACATG
CCTAGAGAGTGTATCAGGCATTTCTTTCGAAAACGAAGTGCTTTGTCTTTGACCGGGCTA
CNATGACAGCAATATTTAATCATTGGNACGAAGTGCCAGAGAAAATCTGAAAGGCATTTC
CTTATGCATCAGACACTTCTGTTCTATATCTTNACCCATGCAAGACCAGACN

3' Read Nucleotide Sequence:

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>OriGene 3' read for NM_052941 unedited
CATTATGTACCGCGCCGCATTCTANGATCGATTTTTTTTTTTTTTTTTTGAGAACGGAGT
TTCGCTCTGTCGCCCAGGCTGGAGTGCAGTGGCGCGATCTCGACTCACTGCAAGCTCCGC
CTCCTGGGTTCACGCCATTCTCCTGCCTCAGCCTCCCGTGTAGCTGGGACTACAGGCGCG
TGCCACCATGCCCGGCTAATTTTTGTATTTTTAGTAGAGACGGGGTTTCACCGTGTTAGC
CAGGATGGTCTCGATCTCCTGACCTCGTGATCCACCCGTCTCGGCCTCCCAAAGTGCTGG
GATTACAGGCAATGAGTTGATTTTTAACTACTGGGTTTAGGCCAGGCAGGCCCAGGCCTG
GTTTTGGGCCTGGCGCTGGGCTGCCTGTCTTTGGTTTTACTTCCTTGTTGTTTTTTCTTA
AAACAGGTACTGAGTATCAAACAATATAAAACAATATAAGAAGGTCTCTCTCTTCCCTCA
ATTCTAGCTGCAAGTTTTGAGCACTAGACAGCAGAAATAAATTCCTAAAATGTTGAGTTG
AGCAAATAGTTCAATGCTATCCCTATCAAACTACCAATGACATTCTTCACAGAATTAGAA
ACTACTTTAAAATTCATATGGAACCAAAAAAGAGCCTAGCCAAGGCAATCCTAAACATAA
AGAACAAAAGGGGAGGCATCAAGTTACCAAACCTCAAACCATACTACAGAGCTACAGTAA
CCAAAACAGCATGGTATTAGTAGAAAAACAGACACNCAGATTAATGGAACATAACAGAGA
GTCCAGGAATAATGCTGTACACCTCAATCATCTGATCTTGGACAAGCTGACAAAACAAGA
ATGGGGAAGGAGTCCCATTTATAAATGGGCTGGGATACTGGCTGCCTAATGCGAGAATGA
AACTGGGCCCCACTTATTTGATACAAAATACTTA
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Restriction Sites: NotI-NotI

ACCN: NM_052941

Insert Size: 3900 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).

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_052941.2, NP_443173.2

RefSeq Size: 5460 bp

RefSeq ORF: 1923 bp

Locus ID: 115361

UniProt ID: Q96PP9

Cytogenetics: 1p22.2

Domains: GBP

Gene Summary: Guanylate-binding proteins, such as GBP4, are induced by interferon and hydrolyze GTP to both GDP and GMP (Vestal, 2005 [PubMed 16108726]).[supplied by OMIM, Dec 2008]