

Product datasheet for **SC323094**

GPBP1 (NM_001127236) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPBP1 (NM_001127236) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPBP1
Synonyms:	GPBP; SSH6; VASCULIN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC323094 representing NM_001127236.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGGCGCAGCATGACTTTGCTCCAGCCTGGCTTAATTTCCCTACTCCACCATCATCAACAAAGTCCTG
ACCAGCAGTTTGAAATCGTCATTGAATTTTGAGAAGCATTCTGAAACTTTGCATGGACAGAGAATCGT
TATGATGTGAACCGTCGACGACACAACCTTTCAGATGGCTTTGATTCTGCTATTGGGCGTCCTAATGGA
GGTAACTTTGAAGGAAAGAAAAAATGGATGGCGTACACATGGAAGAAATGGTACAGAAAAACATAAAT
CATCGAGGTGGATACCATGGTGAAGTTCCCGTTCTCGTAGCAGTATTTCCATGCAGGAAAAAGCCAA
GGACTACATGAAACAACATACCTGACAATGAAACCGGGAGGAAAGAAGACAAGAGAGAACGCAACAG
TTTGAAGCTGAGGATTTCCGCTTTAAATCCTGAGTATGAGAGAGAACCAATCACAATAAGTCTTTA
GCTGCAGGTGTGTGGGAATATCCTCCGAATCCTAAATCTAGAGCTCAAGGATGCTGGTCATTAAGAAA
GGTAATACAAAAGACTTACAGCTATCTGGATTCCAGTAGTAGGAAATCTTCCGTCACAGCCAGTTAAG
AATGGAACCTGGTCCAAGTGTATATAAGGTTTAGTCCCTAAACCTGCTGCTCCACCTACAAAACCTACA
CAATGGAAAGCCAAACAAAAGAAAATAAAGTTGGAACCTCTTTCCCTCATGAGTCCACATTTGGCGTT
GGCAACTTTAATGCTTTTAAATCAACTGCCAAGAACTTTAGTCCATCTACAAATTCAGTGAAGAGTGT
AATCGCTCAAAATTCCTCTTCTCCTGTTGACAACTTAATCAGCAGCCTCGTCTAACCAAACTGACACGA
ATGCGCACTGATAAGAAGAGTGAATTTTGAAAGCATTGAAAAGAGACAGAGTAGAAGAGGAACATGAA
GATGAAAGCCGTGCTGGCTCAGAGAAGGATGACGACTCATTTAATTTACATAACAGCAATAGTACTCAC
CAAGAAAGGGATATAAACCGAACTTCGATGAAATGAAATCCTCAAGAGAATGGCAATGCCTCAGTG
ATTTCCAGCAGATCATTCGGTCTTCAACCTTCCACAACTGATGTTCTTTCAAGTTCACTTGAGGCA
GAACACAGATTGTAAAGGAAATGGGCTGGCAGGAAGACAGTGAAATGATGAAACATGTGCTCCCTTA
ACTGAGGATGAAATGAGAGAATTCCAAGTTATTAGTGAACAGTTACAGAAGAATGGTCTGAGAAAAAT
GGTATTTTGAAGAAATGGCTTGATCTGTGACTTCAAGTTTGGACCGTGGAAGAACAGCACTTTCAAACCC
ACAAGTGAAGATGATGACACAGAGACAAGTAGCAGTGATACATCAGATGACGACGATGTGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_001127236

Insert Size: 1443 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:	<ol style="list-style-type: none"> 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:	<u>NM_001127236.2</u>
RefSeq Size:	3437 bp
RefSeq ORF:	1443 bp
Locus ID:	65056
UniProt ID:	<u>Q86WP2</u>
Cytogenetics:	5q11.2
MW:	54.1 kDa
Gene Summary:	<p>This gene was originally isolated by subtractive hybridization of cDNAs expressed in atherosclerotic plaques with a thrombus, and was found to be expressed only in vascular smooth muscle cells. However, a shorter splice variant was found to be more ubiquitously expressed. This protein is suggested to play a role in the development of atherosclerosis. Studies in mice suggest that it may also function as a GC-rich promoter-specific trans-activating transcription factor. Several alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Feb 2011]</p> <p>Transcript Variant: This variant (2) contains an additional in-frame coding exon compared to variant 1, resulting in a longer isoform (2) with a 7 aa peptide fragment not found in 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.</p>