

Product datasheet for **SC313629**

GPBP1 (NM_022913) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPBP1 (NM_022913) 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: >SC313629 representing NM_022913.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCGCAGCATGACTTTGCTCCAGCCTGGCTTAATTTCCCTACTCCACCATCATCAACAAAGTCGTCA
TTGAATTTTGAGAAGCATTCTGAAAACCTTGCATGGACAGAGAATCGTTATGATGTGAACCGTCGACGA
CACAACCTCTTCAGATGGCTTTGATTCTGCTATTGGGCGTCCTAATGGAGGTAACCTTGGAAGGAAAGAA
AAAAATGGATGGCGTACACATGGAAGAAATGGTACAGAAAACATAAATCATCGAGGTGGATACCATGGT
GGAAGTTCCCGTTCTCGTAGCAGTATTTCCATGCAGGAAAAAGCCAAGGACTACATGAAAAACACATA
CCTGACAAATGAAACCGGGAGGAAAGAAGACAAGAGAGAACGCAACAGTTTGAAGCTGAGGATTTCCG
TCTTTAAATCCTGAGTATGAGAGAGAACCAATCACAATAAGTCTTTAGCTGCAGGTGTGTGGGAATAT
CCTCCGAATCCTAAATCTAGAGCTCAAGGATGCTGGTCATTAAGAAAGGTAATACAAAAGACTTACAG
CTATCTGGATTCCAGTAGTAGGAAATCTTCGTCACAGCCAGTTAAGAATGGAAGTGGTCCAAGTGT
TATAAAGTTTAGTCCCTAAACCTGCTGCTCCACCTACAAAACCTACACAATGAAAAAGCCAAACAAAA
GAAAAATAAGTTGGAACCTCTTTCCCTCATGAGTCCACATTTGGCGTTGGCAACTTTAATGCTTTTAAA
TCAACTGCCAAGAACTTTAGTCCATCTACAAATTCAGTGAAAGAGTGTAATCGCTCAAATTCCTCTTCT
CCTGTTGACAACTTAATCAGCAGCCTCGTCTAACCAACTGACACGAATGCGCACTGATAAGAAGAGT
GAATTTTTGAAAGCATTGAAAAGAGACAGAGTAGAAGAGGAACATGAAGATGAAAGCCGTGCTGGCTCA
GAGAAGGATGACGACTCATTTAATTTACATAACAGCAATAGTACTACCAAGAAAGGGATATAAACCGA
AACTTCGATGAAAATGAAATTCCTCAAGAGAATGGCAATGCCTCAGTGATTTCCAGCAGATCATTCCG
TCTTCAACCTTCCACAACTGATGTTCTTTCAAGTTCAGTTGAGGCAGAACACAGATTGTTAAAGGAA
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TTCCAAGTTATTAGTGAACAGTTACAGAAGAATGGTCTGAGAAAAAATGGTATTTTGAAAAATGGCTTG
ATCTGTGACTTCAAGTTTGGACCGTGAAGAACAGCACTTTCAAACCCACAACCTGAGAATGATGACACA
GAGACAAGTAGCAGTGATACATCAGATGACGACGATGTGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_022913

Insert Size: 1422 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_022913.3](#)

RefSeq Size: 4633 bp

RefSeq ORF: 1422 bp

Locus ID: 65056

UniProt ID: [Q86WP2](#)

Cytogenetics: 5q11.2

MW: 53.3 kDa

Gene Summary: 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]
 Transcript Variant: This variant (1) represents the predominant transcript, and encodes 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.