**OriGene Technologies, Inc.**
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

# Product datasheet for SC323104

## GPBP1 (NM_001127235) Human Untagged Clone

### Product data:

| | |
|---|---|
| **Product Type:** | Expression Plasmids |
| **Product Name:** | GPBP1 (NM_001127235) 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) |

View online »

**Fully Sequenced ORF:**

>SC323104 representing NM_001127235.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCGCAGCATGACTTTGCTCCAGCCTGGCTTAATTTCCCTACTCCACCATCATCAACAAAGGTCCTG
ACCAGCAGTTTGAAATCGTCATTGAATTTTGAGAAGCATTCTGAAAACTTTGCATGGACAGAGAATCGT
TATGATGTGAACCGTCGACGACACAACTCTTCAGATGGCTTTGATTCTGCTATTGGGCGTCCTAATGGA
GGTAACTTTGGAAGGAAAGAAAAAAATGGATGGCGTACACATGGAAGAAATGGTACAGAAAACATAAAT
CATCGAGGTGGATACCATGGTGGAAGTTCCCGTTCTCGTAGCAGTATTTTCCATGCAGGAAAAAGCCAA
GGACTACATGAAAACAACATACCTGACAATGAAACCGGGAGGAAAGAAGACAAGAGAGAACGCAAACAG
TTTGAAGCTGAGGATTTTCCGTCTTTAAATCCTGAGTATGAGAGAGAACCAAATCACAATAAGTCTTTA
GCTGCAGGTGTGTGGGAATATCCTCCGAATCCTAAATCTAGAGCTCCAAGGATGCTGGTCATTAAGAAA
GGTAATACAAAAGACTTACAGCTATCTGGATTCCCAGTAGTAGGAAATCTTCCGTCACAGCCAGTTAAG
AATGGAACTGGTCCAAGTGTTTATAAAGGTTTAGTCCCTAAACCTGCTGCTCCACCTACAAAACCTACA
CAATGGAAAAGCCAAACAAAAGAAAATAAAGTTGGAACTTCTTTCCCTCATGAGTCCACATTTGGCGTT
GGCAACTTTAATGCTTTTAAATCAACTGCCAAGAACTTTAGTCCATCTACAAATTCAGTGAAAGAGCAG
CCTCGTCTAACCAAACTGACACGAATGCGCACTGATAAGAAGAGTGAATTTTTGAAAGCATTGAAAAGA
GACAGAGTAGAAGAGGAACATGAAGATGAAAGCCGTGCTGGCTCAGAGAAGGATGACGACTCATTTAAT
TTACATAACAGCAATAGTACTCACCAAGAAAGGGATATAAACCGAAACTTCGATGAAAATGAAATTCCT
CAAGAGAATGGCAATGCCTCAGTGATTTCCCAGCAGATCATTCGGTCTTCAACCTTCCCACAAACTGAT
GTTCTTTCAAGTTCACTTGAGGCAGAACACAGATTGTTAAAGGAAATGGGCTGGCAGGAAGACAGTGAA
AATGATGAAACATGTGCTCCCTTAACTGAGGATGAAATGAGAGAATTCCAAGTTATTAGTGAACAGTTA
CAGAAGAATGGTCTGAGAAAAAATGGTATTTTGAAAAATGGCTTGATCTGTGACTTCAAGTTTGGACCG
TGGAAGAACAGCACTTTCAAACCCACAACTGAGAATGATGACACAGAGACAAGTAGCAGTGATACATCA
GATGACGACGATGTGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

**Restriction Sites:** SgfI-MluI

**ACCN:** NM_001127235

**Insert Size:** 1398 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.<br>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.<br>3. Close the tube and incubate for 10 minutes at room temperature.<br>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.<br>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_001127235.2 |
| **RefSeq Size:** | 4345 bp |
| **RefSeq ORF:** | 1398 bp |
| **Locus ID:** | 65056 |
| **UniProt ID:** | Q86WP2 |
| **Cytogenetics:** | 5q11.2 |
| **MW:** | 52.4 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 (3) contains an additional in-frame coding exon, and uses an alternate in-frame acceptor splice site at another coding exon compared to variant 1. This results in a shorter isoform (3) compared to 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. |