

Product datasheet for SC119176

IGFBP7 (NM_001553) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: IGFBP7 (NM_001553) Human Untagged Clone
Tag: Tag Free
Symbol: IGFBP7
Synonyms: AGM; FSTL2; IBP-7; IGFBP-7; IGFBP-7v; IGFBPRP1; MAC25; PSF; RAMSVPS; TAF
Mammalian Cell Selection: None
Vector: pCMV6-XL4
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_001553 edited
 GAATTCGGCACGAGGCCGCTGCCACCCGCCATGGAGCGGCCGCTGCTGCGCGCC
 CTGCTCCTCGGCCCGCTGGCTGCTGCTCCTGCTCCTGCCCTCTCCTTTCTCCTCT
 TCGGACACCTGCGGCCCTGCGAGCCGGCTCCTGCCCGCCCTGCCCGCTGGGCTGC
 CTGCTGGGCGAGACCCGCGACGCGTGGCTGCTGCCCTATGTGCGCCCGCGGAGGGC
 GAGCCGTGCGGGGTGGCGCGCCGGCAGGGGTACTGCGCGCCGGCATGGAGTGCCTG
 AAGAGCCGAAGAGGCGGAAGGGTAAAGCCGGGCGAGCAGCCGGCGGTCCGGGTGTAAGC
 GGCGTGTGCGTGTGCAAGAGCCGCTACCCGGTGTGCGGCAGCGACGGCACCACCTACCCG
 AGCGGCTGCCAGCTGCGCGCCAGCCAGAGGGCCGAGAGCCGGGGAGAAGGCCATC
 ACCCAGGTCAGCAAGGGCACCTGCGAGCAAGTCTTCCATAGTGACGCCCCCAAGGAC
 ATCTGGAATGCTACTGGTGCCAGGTGACTTGAGCTGTGAGGTATCGGAATCCCGACA
 CCTGTCCATCTGGAACAAGGTAAAAAGGGTCACTATGGAGTTCAAAGGACAGAACTC
 CTGCTGGTGACCGGACAACCTGGCCATTGACCCGGGGTGGCCAGAAAAGCATGAA
 GTAAGTGGCTGGGTGCTGGTATCTCCTTAAGTAAGGAAGATGCTGGAGAATATGAGTGC
 CATGCATCCAATCCCAAGGACAGGCTTCAAGCATCAGCAAAAATTACAGTGGTTGATGCC
 TTACATGAAATACCAGTAAAAAAGGTGAAGGTGCCGAGCTATAAACCTCCAGAATATTA
 TTAGTCTGCATGGTTAAAAGTAGTCATGGATAACTACATTACCTGTTCTTGCCTAATAAG
 TTTCTTTAATCCAATCCACTAACACTTTAGTTATATTTACTGGTTTTACACAGAGAAAT
 AAAAAATAAGATCACACATCAAGACTATCTACAAAAATTTATTATATTTACAGAGA
 AAAGCATGCATATCATTAAACAAATAAAATACTTTTTATCACAAACAAAAA
 AAAAAAACTCGAC



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_001553 unedited
 NGGGTTTTAGGATTTGTNATCCGACTTCACTATNAGNCCGGCCGCAATTCGGCACGA
 GGCCGCTGCCACCCGACCCCGCCATGGAGCGGCCGTCGCTGCGCGCCCTGCTCCTCGGCG
 CCGCTGGGCTGCTGCTCCTGCTCCTGCCCTCTCCTCTTCTCCTCTTCCGGACACCTGCG
 GCCCTGCGAGCCGGCTCCTGCCCGCCCTGCCCGCTGGGCTGCCTGCTGGGCGAGA
 CCCGCGACGCGTCCGGCTGCTGCCCTATGTGCGCCCGGGCAGGGCGAGCCGTGCCGGG
 GTGGCGGCGCCGGCAGGGGGTACTGCGCGCCGGGCATGGAGTGGTGAAGAGCCGCAAGA
 GCGGGAAGGGTAAAGCCGGGGCAGCAGCCGGCGTCCGGGTGTAAGCGGGTGTGCGTGT
 GCAAGAGCCGCTACCCGGTGTGCGGCAGCGACGGCACCACTACCCGAGCGGCTGCCAGC
 TGCGCGCCGCCAGCCAGAGGGCCGAGAGCCGCGGGGAGAAGGCCATCACCCAGGTCAGCA
 AGGGCACCTGCGAGCAAGTCTTCCATAGTGACGCCCCCAAGGACATCTGGAATGTCA
 CTGGTGCCAGGTGACTTGAGCTGTGAGGTATCGGAATCCCGACACCTGCTCCTCATCT
 GGAACAAGGTA AAAAGGGGTCACTATGGAGTTC AAAGGACAGA AACTCCTGCCTGGTGACC
 GGGACAACCTGCCATTAGACCCGGGGTGGCCCCAGAAAGCATGAAGTAACTGGCTGGG
 TGCTGGTATCTCCTCTAAGTAGGAAGATGCTGNAGAATATGAGTGCCATGCATCCAATTN
 CCAAGGACAGGCTTCAGCATCAGCAAAAATACAGTGGGTGATGCCCTACATGAATAACAG
 TAAAAAAGTGAAAGTGCCCGA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_001553 unedited
 TTTAACGGCTCTATGTACCGCGCCGCTTTCNAAGATCGGTTTTTCTTTTTTTTTTTT
 TTTGTGTGTGATAAAAAGTTTTATTTGTTTAAATGATATGCATGCTTTTCTTGTAAA
 TATATAATAAATTTTTGTAGATAGTCTTGATGTGTGATCTTTATTTTGTATTTCTGTG
 TAAAACAGTGAATATAACTAAAGTGTAGTGGATTGGATTAAGAAACTTATTAGGCA
 AGAACAGGTAATGTAGTTATCCATGACTACTTTTAACCATGCAGACTAATAATATTCTGG
 AGGTTTATAGCTCGGCACCTTACCTTTTTTCACTGGTATTTTATGTAAGGCATCAACCA
 CTGTAATTTTTGCTGATGCTGAAGCCTGTCTTGGGAATTGGATGCATGGCACTCATATT
 CTCCAGCATCTTCTTACTTAGAGGAGATACCAGCACCCAGCCAGTACTTTCATGCTTTT
 CTGGGCCACCCCGGGTCTGAATGGCCAGGTTGTCCCGGTACCAAGCAGGAGTTCTGTCC
 TTTGAACCTCATAGTGACCCCTTTTACCTTGTCCAGATGAAGACAGGTGTCGGGATTC
 CGATGACCTCACAGCTCAAGTACACCTGGGCACCAGTGACATTCAGATGTCCTTGGGGG
 GCGTCACTATGGAAAGACCTTGCTCGCAAGTGCCCTTGCTGACCTGGGTGATGGCCTTCT
 CCCGCGGCTCTCGGCCCTCTGGCTGGCGCGCGCATCTGGCAGCCGCTCGGTAAGTGGG
 TGGCCCGTCTGCTGCCGCACCCGGGTAGCGGNCTTGTGACACGCACACGCCGCTTACA
 CCTNACCGCCGGG

Restriction Sites:

NotI-NotI

ACCN:

NM_001553

Insert Size:

1200 bp

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
Components:	<p>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).</p>
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:	NM_001553.1 , NP_001544.1
RefSeq Size:	1124 bp
RefSeq ORF:	849 bp
Locus ID:	3490
UniProt ID:	Q16270
Cytogenetics:	4q12
Domains:	IB, kazal, IG
Protein Families:	Secreted Protein
Gene Summary:	<p>This gene encodes a member of the insulin-like growth factor (IGF)-binding protein (IGFBP) family. IGFBPs bind IGFs with high affinity, and regulate IGF availability in body fluids and tissues and modulate IGF binding to its receptors. This protein binds IGF-I and IGF-II with relatively low affinity, and belongs to a subfamily of low-affinity IGFBPs. It also stimulates prostacyclin production and cell adhesion. Alternatively spliced transcript variants encoding different isoforms have been described for this gene, and one variant has been associated with retinal arterial macroaneurysm (PMID:21835307). [provided by RefSeq, Dec 2011]</p> <p>Transcript Variant: This variant (1) represents the predominant transcript, and encodes the longer isoform (1).</p>