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Product datasheet for SC332238

IGFBP7 (NM_001253835) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IGFBP7 (NM_001253835) Human Untagged Clone
Tag:	Tag Free
Symbol:	IGFBP7
Synonyms:	AGM; FSTL2; IBP-7; IGFBP-7; IGFBP-7v; IGFBPRP1; MAC25; PSF; RAMSVPS; TAF
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC332238 representing NM_001253835. Blue=Insert sequence Red=Cloning site Green=Tag(s) ATGGAGCGGCCGTCGCTGCGCGCCCTGCTCCTCGGCGCCGCTGGGCTGCTGCTCCTGCTCCTGCCCCTC TCCTCTTCCTCCTCTTCGGACACCTGCGGCCCCTGCGAGCCGGCCTCCTGCCCGCCCCTGCCCCCGCTG GGCTGCCTGCTGGGCGAGACCCGCGACGCGTGCGGCTGCTGCCCTATGTGCGCCCGCGGCGAGGGCGAG CCGTGCGGGGGTGGCGGCGCCGGCAGGGGGTACTGCGCGCCGGGCATGGAGTGCGTGAAGAGCCGCAAG AGGCGGAAGGGTAAAGCCGGGGCAGCAGCCGGCGGTCCGGGTGTAAGCGGCGTGTGCGTGTGCAAGAGC CGCTACCCGGTGTGCGGCAGCGACGGCACCACCTACCCGAGCGGCTGCCAGCTGCGCGCCGCCAGCCAG AGGGCCGAGAGCCGCGGGGAGAAGGCCATCACCCAGGTCAGCAAGGGCACCTGCGAGCAAGGTCCTTCC ATAGTGACGCCCCCCAAGGACATCTGGAATGTCACTGGTGCCCAGGTGTACTTGAGCTGTGAGGTCATC GGAATCCCGACACCTGTCCTCATCTGGAACAAGGTAAAAAGGGGTCACTATGGAGTTCAAAGGACAGAA CTCCTGCCTGGTGACCGGGACAACCTGGCCATTCAGACCCGGGGTGGCCCAGAAAAGCATGAAGTAACT GGCTGGGTGCTGGTATCTCCTCTAAGTAAGGAAGATGCTGGAGAATATGAGTGCCATGCATCCAATTCC CAAGGACAGGCTTCAGCATCAGCAAAAATTACAGTGGTTGATGCCTTACATGAAATACCAGTGAAAAAA GGTACACAATAA
Restriction Sites:	SgfI-NotI
ACCN:	NM_001253835
Insert Size:	840 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).

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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_001253835.1
RefSeq Size:	1051 bp
RefSeq ORF:	840 bp
Locus ID:	3490
UniProt ID:	Q16270
Cytogenetics:	4q12
Protein Families:	Secreted Protein
MW:	28.9 kDa
Gene Summary:	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] Transcript Variant: This variant (2) differs at the 3' end, and lacks the 3' terminal exon compared to variant 1. This results in a frame-shift, and a shorter isoform (2) with a distinct C-terminus compared to isoform 1. Expression of this variant has been associated with retinal arterial macroaneurysm (PMID:21835307).