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Product datasheet for SC301776

IGFBP3 (NM_001013398) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IGFBP3 (NM_001013398) Human Untagged Clone
Tag:	Tag Free
Symbol:	IGFBP3
Synonyms:	BP-53; IBP3
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

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Fully Sequenced ORF:

>OriGene sequence for NM_001013398 edited
TGGGCGCTGAGGATCAGCCGCTTCCTGCCTGGATTCCACAGCTTCGCGCCGTGTACTGTC
GCCCCATCCCTGCGCGCCCAGCCTGCCAAGCAGCGTGCCCCGGTTGCAGGCGTCATGCAG
CGGGCGCGACCCACGCTCTGGGCCGCTGCGCTGACTCTGCTGGTGCTGCTCCGCGGGCCG
CCGGTGGCGCGGGCTGGCGCGAGCTCGGGGGGCTTGGGTCCCGTGGTGCGCTGCGAGCCG
TGCGACGCGCGTGCACTGGCCCAGTGCGCGCCTCCGCCCGCCGTGTGCGCGGAGCTGGTG
CGCGAGCCGGGCTGCGGCTGCTGCCTGACGTGCGCACTGAGCGAGGGCCAGCCGTGCGGC
ATCTACACCGAGCGCTGTGGCTCCGGCCTTCGCTGCCAGCCGTCGCCCGACGAGGCGCGA
CCGCTGCAGGCGCTGCTGGACGGCCGCGGGCTCTGCGTCAACGCTAGTGCCGTCAGCCGC
CTGCGCGCCTACCTGCTGCCAGCGCCGCCAGCTCCAGGTGAGCCGCCCGCGCCAGGAAAT
GCTAGTGAGTCGGAGGAAGACCGCAGCGCCGGCAGTGTGGAGAGCCCGTCCGTCTCCAGC
ACGCACCGGGTGTCTGATCCCAAGTTCCACCCCCTCCATTCAAAGATAATCATCATCAAG
AAAGGGCATGCTAAAGACAGCCAGCGCTACAAAGTTGACTACGAGTCTCAGAGCACAGAT
ACCCAGAACTTCTCCTCCGAGTCCAAGCGGGAGACAGAATATGGTCCCTGCCGTAGAGAA
ATGGAAGACACACTGAATCACCTGAAGTTCCTCAATGTGCTGAGTCCCAGGGGTGTACAC
ATTCCCAACTGTGACAAGAAGGGATTTTATAAGAAAAAGCAGTGTCGCCCTTCCAAAGGC
AGGAAGCGGGGCTTCTGCTGGTGTGTGGATAAGTATGGGCAGCCTCTCCCAGGCTACACC
ACCAAGGGGAAGGAGGACGTGCACTGCTACAGCATGCAGAGCAAGTAGACGCCTGCCGCA
AGGTTAATGTGGAGCTCAAATATGCCTTATTTTGCACAAAAGACTGCCAAGGACATGACC
AGCAGCTGGCTACAGCCTCGATTTATATTTCTGTTTGTGGTGAACTGATTTTTTTTAAAC
CAAAGTTTAGAAAGAGGTTTTTGAAATGCCTATGGTTTCTTTGAATGGTAAACTTGAGCA
TCTTTTCACTTTCCAGTAGTCAGCAAAGAGCAGTTTGAATTTTCTTGTCGCTTCCTATCA
AAATATTCAGAGACTCGAGCACAGCACCCAGACTTCATGCGCCCGTGGAATGCTCACCAC
ATGTTGGTCGAAGCGGCCGACCACTGACTTTGTGACTTAGGCGGCTGTGTTGCCTATGTA
GAGAACACGCTTCACCCCCACTCCCCGTACAGTGCGCACAGGCTTTATCGAGAATAGGAA
AACCTTTAAACCCCGGTCATCCGGACATCCCAACGCATGCTCCTGGAGCTCACAGCCTTC
TGTGGTGTCATTTCTGAAACAAGGGCGTGGATCCCTCAACCAAGAAGAATGTTTATGTCT
TCAAGTGACCTGTACTGCTTGGGGACTATTGGAGAAAATAAGGTGGAGTCCTACTTGTTT
AAAAAATATGTATCTAAGAATGTTCTAGGGCACTCTGGGAACCTATAAAGGCAGGTATTT
CGGGCCCTCCTCTTCAGGAATCTTCCTGAAGACATGGCCCAGTCGAAGGCCCAGGATGGC
TTTTGCTGCGGCCCCGTGGGGTAGGAGGGACAGAGAGACAGGGAGAGTCAGCCTCCACAT
TCAGAGGCATCACAAGTAATGGCACAATTCTTCGGATGACTGCAGAAAATAGTGTTTTGT
AGTTCAACAACTCAAGACGAAGCTTATTTCTGAGGATAAGCTCTTTAAAGGCAAAGCTTT
ATTTTCATCTCTCATCTTTTGTCCTCCTTAGCACAATGTAAAAAAGAATAGTAATATCAG
AACAGGAAGGAGGAATGGCTTGCTGGGGAGCCCATCCAGGACACTGGGAGCACATAGAG:
ATTCACCCATGTTTGTTGAACTTAGAGTCATTCTCATGCTTTTCTTTATAATTCACACAT
ATATGCAGAGAAGATATGTTCTTGTTAACA:TTGTATACAACATAGCCCCAAATATAGTA
AGATCTATACTAGATAATCCTAGATGAAATGTTAGAGATGCTATATGATACAACTGTGGC
CATGACTGAGGAAAGGAGCTCACGCCCAGAGACTGGGCTGCTCTCCCGGAGGCCAAACCC
AAGAAGGTCTGGCAAAGTCAGGCTCAGGGAGACTCTGCCCTGCTGCAGACCTCGGTGTGG
ACACACGCTGCATAGAGCTCTCCTTGAAAACAGAGGGGTCTCAAGACATTCTGCCTACCT
ATTAGCTTTTCTTTATTTTTTTAACTTTTTGGGGGGAAAAGTATTTTTGAGAAGTTTGTC
TTGCAATGTATTTATAAATAGTAAATAAAGTTTTTACCATTAAAAAAATATCTTTCCCTT
TGTTATTGACCATCTCTGGGCTTTGTATCACTAATTATTTTATTTTATTATATAATAATT
ATTTTATTATAATAAAATCCTGAAAGGGGAAAATAAAAAAAA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_001013398 unedited
NNAAGTTCACATTTGTATACGACTCATATAGGGCGGCCGCGAATTCGCACGAGGTGGGCG
CTGAGGATCAGCCGCTTCCTGCCTGGATTCCACAGCTTCGCGCCGTGTACTGTCGCCCCA
TCCCTGCGCGCCCAGCCTGCCAAGCAGCGTGCCCCGGTTGCAGGCGTCATGCAGCGGGCG
CGACCCACGCTCTGGGCCGCTGCGCTGACTCTGCTGGTGCTGCTCCGCGGGCCGCCGGTG
GCGCGGGCTGGCGCGAGCTCGGGGGGCTTGGGTCCCGTGGTGCGCTGCGAGCCGTGCGAC
GCGCGTGCACTGGCCCAGTGCGCGCCTCCGCCCGCCGTGTGCGCGGAGCTGGTGCGCGAG
CCGGGCTGCGGCTGCTGCCTGACGTGCGCACTGAGCGAGGGCCAGCCGTGCGGCATCTAC
ACCGAGCGCTGTGGCTCCGGCCTTCGCTGCCAGCCGTCGCCCGACGAGGCGCGACCGCTG
CAGGCGCTGCTGGACGGCCGCGGGCTCTGCGTCAACGCTAGTGCCGTCAGCCGCCTGCGC
GCCTACCTGCTGCCAGCGCCGCCAGCTCCAGGTGAGCCGCCCGCGCCAGGAAATGCTAGT
GAGTCGGAGGAAGACCGCAGCGCCGGCAGTGTGGAGAGCCCGTCCGTCTCCAGCACGCAC
CGGGTGTCTGATCCCAAGTTCCACCCCCTCCATTCAAAGATAATCATCATCAAGAAAGGG
CATGCTAAAGACAGCCAGCGCTACAAAGTTGACTACGAGTCTCAGAGCACAGATACCCAG
AACTTCTCCTCCGAGTCCAAGCGGGAGACAGAATATGGTCCCCTGCGTAGAGAAATGGAA
GAACACTGAATCACCTGAAGTTCCTCATGTGCTGAGTCCCAGGGTGTACACATTCCCAAC
TGTGACAAAAAGG

3' Read Nucleotide Sequence:

>Forward primer walk for NM_001013398 unedited
AAACTTTANTNTTTCCGCAGCGCCGGCGTGTGGNAAGCCCGTCCGTCTCCAGCACGCACC
GGGTGTCTGATCCCAAGTTCCACCCCCTCCATTCAAAGATAATCATCATCAAGAAAGGGC
ATGCTAAAGACAGCCAGCGCTACAAAGTTGACTACGAGTCTCAGAGCACAGATACCCAGA
ACTTCTCCTCCGAGTCCAAGCGGGAGACAGAATATGGTCCCTGCCGTAGAGAAATGGAAG
ACACACTGAATCACCTGAAGTTCCTCAATGTGCTGAGTCCCAGGGGTGTACACATTCCCA
ACTGTGACAAGAAGGGATTTTATAAGAAAAAGCAGTGTCGCCCTTCCAAAGGCAGGAAGC
GGGGCTTCTGCTGGTGTGTGGATAAGTATGGGCAGCCTCTCCCAGGCTACACCACCAAGG
GGAAGGAGGACGTGCACTGCTACAGCATGCAGAGCAAGTAGACGCCTGCCGCAAGGTTAA
TGTGGAGCTCAAATATGCCTTATTTTGCACAAAAGACTGCCAAGGACATGACCAGCAGCT
GGCTACAGCCTCGATTTATATTTCTGTTTGTGGTGAACTGATTTTTTTTAAACCAAAGTT
TAGAAAGAGGTTTTTGAAATGCCTATGGTTTCTTTGAATGGTAAACTTGAGCATCTTTTC
ACTTTCCAGTAGTCAGCAAAGAGCAGTTTGAATTTTCTTGTCGCTTCCTATCAAAATATT
CAGAGACTCGAGCACAGCACCCAGACTTCATGCGCCCGTGGAATGCTCACCACATGTTGG
GTCGAAGCGGCCGACCACTGGACTTGTGACTTTAGCGGCTGTGNTGCCTATGTAGAAACA
CGCTTCACCCCCACTCCCGTACGTGCGCACAGGGCTTATCGAAATAGGAAACCTTAAACC
CCGTCATCCGGACTCN

Restriction Sites: Please inquire

ACCN: NM_001013398

Insert Size: 2600 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: There is 1 nucleotide difference between the OriGene clone and the NCBI reference ORF. These result in the substitution of 1 aa and insertion of 1 aa.

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_001013398.1, NP_001013416.1
RefSeq Size:	2638 bp
RefSeq ORF:	894 bp
Locus ID:	3486
UniProt ID:	P17936
Cytogenetics:	7p12.3
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	p53 signaling pathway
Gene Summary:	This gene is a member of the insulin-like growth factor binding protein (IGFBP) family and encodes a protein with an IGFBP domain and a thyroglobulin type-I domain. The protein forms a ternary complex with insulin-like growth factor acid-labile subunit (IGFALS) and either insulin-like growth factor (IGF) I or II. In this form, it circulates in the plasma, prolonging the half-life of IGFs and altering their interaction with cell surface receptors. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a).