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Product datasheet for SC119779

IGFBP3 (NM_000598) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IGFBP3 (NM_000598) 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)

View online »

Fully Sequenced ORF:

>OriGene sequence for NM_000598 edited
GAATTCGGCACGAGGTGGGCGCTGAGGATCAGCCGCTTCCTGCCTGGATTCCACAGCTTC
GCGCCGTGTACTGTCGCCCCATCCCTGCGCGCCCAGCCTGCCAAGCAGCGTGCCCCGGTT
GCAGGCGTCATGCAGCGGGCGCGACCCACGCTCTGGGCCGCTGCGCTGACTCTGCTGGTG
CTGCTCCGCGGGCCGCCGGTGGCGCGGGCTGGCGCGAGCTCGGGGGGCTTGGGTCCCGTG
GTGCGCTGCGAGCCGTGCGACGCGCGTGCACTGGCCCAGTGCGCGCCTCCGCCCGCCGTG
TGCGCGGAGCTGGTGCGCGAGCCGGGCTGCGGCTGCTGCCTGACGTGCGCACTGAGCGAG
GGCCAGCCGTGCGGCATCTACACCGAGCGCTGTGGCTCCGGCCTTCGCTGCCAGCCGTCG
CCCGACGAGGCGCGACCGCTGCAGGCGCTGCTGGACGGCCGCGGGCTCTGCGTCAACGCT
AGTGCCGTCAGCCGCCTGCGCGCCTACCTGCTGCCAGCGCCGCCAGCTCCAGGAAATGCT
AGTGAGTCGGAGGAAGACCGCAGCGCCGGCAGTGTGGAGAGCCCGTCCGTCTCCAGCACG
CACCGGGTGTCTGATCCCAAGTTCCACCCCCTCCATTCAAAGATAATCATCATCAAGAAA
GGGCATGCTAAAGACAGCCAGCGCTACAAAGTTGACTACGAGTCTCAGAGCACAGATACC
CAGAACTTCTCCTCCGAGTCCAAGCGGGAGACAGAATATGGTCCCTGCCGTAGAGAAATG
GAAGACACACTGAATCACCTGAAGTTCCTCAATGTGCTGAGTCCCAGGGGTGTACACATT
CCCAACTGTGACAAGAAGGGATTTTATAAGAAAAAGCAGTGTCGCCCTTCCAAAGGCAGG
AAGCGGGGCTTCTGCTGGTGTGTGGATAAGTATGGGCAGCCTCTCCCAGGCTACACCACC
AAGGGGAAGGAGGACGTGCACTGCTACAGCATGCAGAGCAAGTAGACGCCTGCCGCAAGG
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AGCTGGCTACAGCCTCGATTTATATTTCTGTTTGTGGTGAACTGATTTTTTTTAAACCAA
AGTTTAGAAAGAGGTTTTTGAAATGCCTATGGTTTCTTTGAATGGTAAACTTGAGCATCT
TTTCACTTTCCAGTAGTCAGCAAAGAGCAGTTTGAATTTTCTTGTCGCTTCCTATCAAAA
TATTCAGAGACTCGAGCACAGCACCCAGACTTCATGCGCCCGTGGAATGCTCACCACATG
TTGGTCGAAGCGGCCGACCACTGACTTTGTGACTTAGGCGGCTGTGTTGCCTATGTAGAG
AACACGCTTCACCCCCACTCCCCGTACAGTGCGCACAGGCTTTATCGAGAATAGGAAAAC
CTTTAAACCCCGGTCATCCGGACATCCCAACGCATGCTCCTGGAGCTCACAGCCTTCTGT
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AGTGACCTGTACTGCTTGGGGACTATTGGAGAAAATAAGGTGGAGTCCTACTTGTTTAAA
AAATATGTATCTAAGAATGTTCTAGGGCACTCTGGGAACCTATAAAGGCAGGTATTTCGG
GCCCTCCTCTTCAGGAATCTTCCTGAAGACATGGCCCAGTCGAAGGCCCAGGATGGCTTT
TGCTGCGGCCCCGTGGGGTAGGAGGGACAGAGAGACAGGGAGAGTCAGCCTCCACATTCA
GAGGCATCACAAGTAATGGCACAATTCTTCGGATGACTGCAGAAAATAGTGTTTTGTAGT
TCAACAACTCAAGACGAAGCTTATTTCTGAGGATAAGCTCTTTAAAGGCAAAGCTTTATT
TTCATCTCTCATCTTTTGTCCTCCTTAGCACAATGTAAAAAAGAATAGTAATATCAGAAC
AGGAAGGAGGAATGGCTTGCTGGGGAGCCCATCCAGGACACTGGGAGCACATAGAGATTC
ACCCATGTTTGTTGAACTTAGAGTCATTCTCATGCTTTTCTTTATAATTCACACATATAT
GCAGAGAAGATATGTTCTTGTTAACATTGTATACAACATAGCCCCAAATATAGTAAGATC
TATACTAGATAATCCTAGATGAAATGTTAGAGATGCTATATGATACAACTGTGGCCATGA
CTGAGGAAAGGAGCTCACGCCCAGAGACTGGGCTGCTCTCCCGGAGGCCAAACCCAAGAA
GGTCTGGCAAAGTCAGGCTCAGGGAGACTCTGCCCTGCTGCAGACCTCGGTGTGGACACA
CGCTGCATAGAGCTCTCCTTGAAAACAGAGGGGTCTCAAGACATTCTGCCTACCTATTAG
CTTTTCTTTATTTTTTTAACTTTTTGGGGGGAAAAGTATTTTTGAGAAGTTTGTCTTGCA
ATGTATTTATAAATAGTAAATAAAGTTTTTACCATTAAAAAAAAAAAAAAAAAACTCGAC

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_000598 unedited
TTGTAATACGACTCACTATAGGGCGGCCGCGAATTCGGCACGAGGTGGGCGCTGAGGATC
AGCCGCTTCCTGCCTGGATTCCACAGCTTCGCGCCGTGTACTGTCGCCCCATCCCTGCGC
GCCCAGCCTGCCAAGCAGCGTGCCCCGGTTGCAGGCGTCATGCAGCGGGCGCGACCCACG
CTCTGGGCCGCTGCGCTGACTCTGCTGGTGCTGCTCCGCGGGCCGCCGGTGGCGCGGGCT
GGCGCGAGCTCGGGGGGCTTGGGTCCCGTGGTGCGCTGCGAGCCGTGCGACGCGCGTGCA
CTGGCCCAGTGCGCGCCTCCGCCCGCCGTGTGCGCGGAGCTGGTGCGCGAGCCGGGCTGC
GGCTGCTGCCTGACGTGCGCACTGAGCGAGGGCCAGCCGTGCGGCATCTACACCGAGCGC
TGTGGCTCCGGCCTTCGCTGCCAGCCGTCGCCCGACGAGGCGCGACCGCTGCAGGCGCTG
CTGGACGGCCGCGGGCTCTGCGTCAACGCTAGTGCCGTCAGCCGCCTGCGCGCCTACCTG
CTGCCAGCGCCGCCAGCTCCAGGAAATGCTAGTGAGTCGGAGGAAGACCGCAGCGNCCGG
CAGTGTGGAGAGCCCGTCCGTCTCCAGCACGCACCGGNGTGTCTGATCCCCAGTTCCACC
CCCTCCATTCAAAGATAATCATCATCAAGAAAGGGCATGCTAAAGACAGCCAGCGCTACA
AAGTTGACTACGAGTCTCAGAGCACAGATACCCAGAACTTNCTCTNCGAGTNCAGCGGGA
GACGGAATATGGTCCCTGGCGTAGAAAAATGGAGAACACTGNATCACCTGAGTNCTCATG
GGCTGATCCCCAGGGGTGACCATTCCCACTGGACANAAAGGGATTATAC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_000598 unedited
CGCGGCCGCAATCTANAGTCGAGTTTTTTTTTTTTTTTTTAATGGTAAAAACTTTATTT
ACTATTTATAAATACATTGCAAGACAAACTTCTCAAAAATACTTTTCCCCCCAAAAAGTT
AAAAAAATAAAGAAAAGCTAATAGGTAGGCAGAATGTCTTGAGACCCCTCTGTTTTCAAG
GAGAGCTCTATGCAGCGTGTGTCCACACCGAGGTCTGCAGCAGGGCAGAGTCTCCCTGAA
CCTGACTTTTGCCAGACCCCTTTTTGGGTTGGGCCTCCGGGGAAAACACCCCCATCTTTT
GGGGGGGGACCCTCTTTTCCTTAATTTGGGGCCCACGTGGGTTTAATATAGCCCCTTTTA
ACACTTCTCCCTCGGAATATTCTCCACTAAAACCCTTCTATTTTTTGGGGGGGTTTTTTG
GGTTACCATGGGTTAAAAAAAAACCTTTTTTTTTGGTTATTTTTTTGGGGGGGTTTTATA
AAAAAAAGTGTTGAAGTTTCTCTTTTTCACCACCCACGGGGGTTTCTCTTTTTCCCCCCC
CGCGCGGGGGGGGGGCCCCACAAAAACCCCCTCTTCGTGGGGGGGAAAAATATTTTTTTT
TTTCCTCGGCGGGGGGGGGCGCTTAAAAGAAAAAAAAAATCCGTCTCTCTGCTCTTACTC
TCCCACCCAAAACCTTTTTGTTGGTGGGGGGAAACAACCACACAAATTCTTTTTTTTCCA
AAACACGCAACACCCTCCCTCTCCCCTTTTCAACAGACCTGAGCTTTCTTTTCTTTTCTT
TCCCCCCCCCCCCCCCGCCTCATACTTCAATACTCTCTTGCTGGCTCCTTCTTCTTTCTT
CCGCCCCTTCCTCGTCTCTCCTT

Restriction Sites: NotI-NotI

ACCN: NM_000598

Insert Size: 2440 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).

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_000598.4, NP_000589.2
RefSeq Size:	2620 bp
RefSeq ORF:	876 bp
Locus ID:	3486
UniProt ID:	P17936
Cytogenetics:	7p12.3
Domains:	thyroglobulin_1, IB
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 (2) uses an alternate in-frame splice site in the 5' coding region, compared to variant 1, resulting in a shorter protein (isoform b).