

Product datasheet for SC127161

IGFBP5 (NM_000599) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IGFBP5 (NM_000599) Human Untagged Clone
Tag:	Tag Free
Symbol:	IGFBP5
Synonyms:	IBP5
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC127161 sequence for NM_000599 edited (data generated by NextGen Sequencing)

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ATGGTGTTGCTCACCGGGTCTCCTGCTGCTGGCCGCTATGCGGGGCCGCCAGAGC
CTGGGCTCCTTCGTGCACTGCGAGCCCTGCGACGAGAAAAGCCCTCTCCATGTGCCCCC
AGCCCCCTGGGCTGCGAGCTGGTCAAGGAGCCGGCTGCGGCTGCTGCATGACCTGCGCC
CTGGCCGAGGGGAGTCTGCGGCTACACCGAGCGTGCGCCAGGGGCTGCGCTGC
CTCCCCCGCAGGACGAGGAGAAGCCGCTGCACGCCCTGCTGCACGGCCGCGGGTTTGC
CTCAACGAAAAGAGCTACCGGAGCAAGTCAAGATCGAGAGAGACTCCCGTGAGCAGAG
GAGCCCACCCTCTGAGATGGCCGAGGAGACTACTCCCCAAGATCTCCGGCCAAA
CACACCCGCATCTCCGAGCTGAAGGCTGAAGCAGTGAAGAAGGACCGCAGAAAGAAGCTG
ACCCAGTCCAAGTTTGTGGGGGAGCCGAGAAGACTGCCACCCCGGATCATCTCTGCA
CCTGAGATGAGACAGGAGTCTGAGCAGGGCCCTGCCGCAGACACATGGAGGCTTCCCTG
CAGGAGCTCAAAGCCAGCCACGCATGGTGCCCGTGCTGTGTACCTGCCAATTGTGAC
CGCAAAGGATTCTACAAGAGAAAGCAGTCAAACCTTCCCGTGGCCGCAAGCGTGGCATC
TGCTGGTGCCTGGACAAGTACGGGATGAAGCTGCCAGGCATGGAGTACGTTGACGGGGAC
TTTCAGTGCCACACCTTCGACAGCAGCAACGTTGAGTGA

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Clone variation with respect to NM_000599.3



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_000599 unedited</p> <pre>ACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGTTTTACCCCTTCTCCGGACTT CGCGTAGAACCTGCGAATTTTCAAGAGGAGGTGGCAAAGTGGGAGAAAAGAGGTGTTAGG GTTTGGGGTTTTTTTGTGTTTTGTTTTGTTTTTAATTTCTTGATTTCAACATTTTCTCC CACCTCTCGGCTGCAGCCAACGCCTTACCTGTTCTGCGGCGCCGCGCACCCTGGCA GCTGAGGGTTAGAAAGCGGGGTGATTTTAGATTTTAAGCAAAAATTTAAAGATAAATC CATTTTTCTCCACCCCAACGCCATCTCCACTGCATCCGATCTCATTATTTCCGGTGG TTGCTTGGGGGTGAACAATTTTGTGGCTTTTTTCCCCTATAATTCTGACCCGCTCAGGC TTGAGGGTTTCTCCGGCTCCGCTCACTGCGTGCACCTGGCGCTGCCCTGCTTCCCCAA CCTGTTGCAAGGCTTTAATTCTTGCAACTGGGACCTGCTCGCAGGCACCCAGCCCTCCA CCTCTCTACATTNTTCAAGTGTCTGGGGGAGGGCACCTGCTCTACCTGCCAGATATT TAAAAACAAAAACAAAAACAAAAAATCTCCGGGGGGCCCTTTGGCCCTTTATCCCTG CACTCTCGCTCTCTGCNCCCACCCGAGTAAAGGGGGCGACTAANAGAGATGGTGTTC TCACCGCGGTCTTCTGCTGCTGGCCGNCTATGCNNGCCCGCCANAGCCCTGGCTNCT TCGTGCACTGCGAGCCCTGCGACGAGAAAGCCCTCTCTGTGCCCCCCAGCCCCCTGGC TGCNNAGCTGTCAAGGAGCCGCTGCTGCTGCTGATGACCTGCGCCCTGNCCGAAGGG CATTNGTGCGGGTCTACACCGATCGCTGGCCAGGGGTGGGCTGCCTCCCCCGAGAA CAAGGAAACCGCTGCCCCCT</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_000599 unedited</p> <pre>GACCGCGCCGCAATTTANAGTCGAGTTTTTTTTTTTTTTTTTTTGGCCCCAAAAAACTG AGTTTATTGCTCACGGGAACTCTGCCTCGAGGCAGGCAAAAATGCTATTACGGGTGTA TTAGGAGAATATGGGTTTTCTCAGTTTTCCAGAATGAGGAAGCTCCTCAATGCCCTAT AGGAACTACTTTGAAAAGTTAATGCAAACCTTTGAAAGAAAGGAAGAAAGAAAAACAA AGAAAAAGAAATAGATTTATATGCCTATATGACTATATGGAGTCTGTAGATAAATACG AGCCCACTTTTTTTTTTTCAGCCTATCCTCCCCACAGAGGCTGCTGCGCTACTTACAAAT TGAATTAATGAGGGCTGAAACGGCACGCTTCAGCATGTACTGTAGTCACCGTGGGAAGAA CAAGTCTTTCCAATATTGGGGCATGTATTGATTCTAAAAATGTCTGCCTGGGGAAATGA AATATGCACATGTATTTTATATTCACAGATCTGCTTCCGAAAACCTCTCTATTTAATATC ACTCAATTATGAATTTGTTTTGCTTTCAAAGGAATGGAATGCCATTTAGTTTTTATAAAT TTGGGGAGAGACAACACTCTGCCCAAGTTAGAGGAGAGGAAGTTCAAGGGTCCCCTGTC CATACTGCGCGCTAGAGGGAGATACAGAACCGGTAGAGGCCCTGGAGTGTTCCTCCCTTA CCTTTTTTCCCCTGACCAATCCATTCTGGGAAACCCATAAGCGCCATGATTGCCATCCT GGGCTGGTTTTTTTACACTCCACTTTCCCAACCAATACAAGCTTGACCCAAAAGTGC GC CCCTGTTGCTCTGAGTCATTACCTTCCACCATTATTACCTTTCTCCCACTTCC AACATTGTCCATTTTAAATACACAG</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_000599
Insert Size:	2800 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:	<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_000599.2 , NP_000590.1
RefSeq Size:	6316 bp
RefSeq ORF:	819 bp
Locus ID:	3488
UniProt ID:	P24593
Cytogenetics:	2q35
Domains:	thyroglobulin_1, IB
Protein Families:	Druggable Genome, Secreted Protein
Gene Summary:	IGF-binding proteins prolong the half-life of the IGFs and have been shown to either inhibit or stimulate the growth promoting effects of the IGFs on cell culture. They alter the interaction of IGFs with their cell surface receptors.[UniProtKB/Swiss-Prot Function]