

## Product datasheet for **SC319642**

### IGFBP4 (NM\_001552) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	IGFBP4 (NM_001552) Human Untagged Clone
Tag:	Tag Free
Symbol:	IGFBP4
Synonyms:	BP-4; HT29-IGFBP; IBP4; IGFBP-4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_001552.2  
 CCGGGTCGGGTCCTCCAGGAGCGCCAGGCGCTGCCGCCGTGTGCCCTCCGCCGCTCGCCC  
 GCGCGCCCGCGCTCCCGCCTGCGCCCAGCGCCCCGCGCCCGCGCCAGTCTCGGGCGG  
 TCATGCTGCCCTCTGCCTCGTGGCCGCCCTGTGCTGGCCGCCGGGCCCGGGCCGAGCC  
 TGGGCGACGAAGCCATCCACTGCCCGCCTGCTCCGAGGAGAAGCTGGCGCGCTGCCGCC  
 CCCCGTGGGCTGCGAGGAGCTGGTGCAGAGCCGGGCTGCGGCTGTTGCGCCACTTGCG  
 CCTGGGCTTGGGATGCCCTGCGGGGTGTACACCCCGTTGCGGCTCGGGCCTGCGCT  
 GCTACCCGCCCGAGGGGTGGAGAAGCCCTGCACACACTGATGCACGGGCAAGGCGTGT  
 GCATGGAGCTGGCGGAGATCGAGGCCATCCAGGAAAGCCTGCAGCCCTCTGACAAGGACG  
 AGGGTGACCACCCCAACAACAGCTTCAGCCCTGTAGCGCCATGACCGCAGGTGCCTGC  
 AGAAGCACTTCGCCAAAATTCGAGACCGGAGCACCAGTGGGGCAAGATGAAGGTCAATG  
 GGGCGCCCGGGAGGATGCCCGCCTGTGCCAGGGCTCTGCCAGAGCGAGCTGCACC  
 GGGCGCTGGAGCGGCTGGCCGCTTCACAGAGCCGACCCACGAGGACCTACATCATCC  
 CCATCCCCAACTGCGACCGCAACGGCAACTTCCACCCAAAGCAGTGTACCCAGCTCTGG  
 ATGGGCAGCGTGGCAAGTCTGGTGTGTGACCGGAAGACGGGGTGAAGCTTCCGGGGG  
 GCCTGGAGCCAAAGGGGAGCTGGACTGCCACCAAGCTGGCTGACAGCTTTCGAGAGTGAG  
 GCCTGCCAGCAGGCCAGGACTCAGCGTCCCCTGCTACTCCTGTGCTCTGGAGGCTGCAG  
 AGCTGACCAGAGTGGAGTCTGAGTCTGAGTCTGTCTGTCTGCCTGCGGCCAGAAGTTTC  
 CCTCAAATGCGCGTGTGCACGTGTGCGTGTGCGTGTGCTGTGTTGTGAGCATGG  
 GTGTGCCCTTGGGGTAAGCCAGAGCCTGGGGTGTCTCTTTGGTGTACACAGCCCAAGA  
 GGACTGAGACTGGCACTTAGCCCAAGAGGTCTGAGCCCTGGTGTGTTCCAGATCGATCC  
 TGGATTCACCTACTCATTCCCTTCACTCATCCAGCCACCTAAAAACATTTACTGACC  
 ATGTACTACGTGCCAGCTCTAGTTTTTCAGCCTTGGGAGGTTTTATTCTGACTTCTCTGA  
 TTTTGGCATGTGGAGACTCCTATAAGGAGAGTTCAAGCCTGTGGGAGTAGAAAAATCT  
 CATTCCCAGAGTCAGAGGAGAAGAGACATGTACCTTGACCATCGTCCCTCCTCTCAAGCT  
 AGCCAGAGGGTGGGAGCCTAAGGAAGCGTGGGGTAGCAGATGGAGTAATGGTCACGAGGT  
 CCAGACCCACTCCCAAAGCTCAGACTTGCCAGGCTCCCTTTCTCTTCCCCAGGTCCT  
 TCCTTTAGGTCTGGTTGTTGCACCATCTGCTTGGTTGGCTGGCAGCTGAGAGCCCTGCTG  
 TGGGAGAGCGAAGGGGTCAAAGGAAGACTTGAAGCACAGAGGGCTAGGGAGGTGGGTA  
 CATTTCTCTGAGCAGTCAGGGTGGGAAGAAAGAATGCAAGAGTGGACTGAATGTGCCTAA  
 TGGAGAAGACCCAGTGTAGGGGATGAGGGGCTCCTGGGTCTGTTCCCTACCCATT  
 TGTGGTCACAGCCATGAAGTCACCGGGATGAACCTATCCTTCCAGTGGCTCGCTCCCTGT  
 AGCTCTGCCTCCCTCTCCATATCTCCTTCCCCTACACCTCCCTCCCCACCTCCCTACT  
 CCCCTGGGCATCTTCTGGCTTACTGGATGGAAGGAGACTTAGGAACCTACCAGTTGGCC  
 ATGATGCTTTTTCTTTTTTTTTTTTAAACAAAACAGAACAAAACAAAAAATGTCC  
 AAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_001552

**Insert Size:** 2100 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:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001552.2</a> , <a href="#">NP_001543.2</a>
<b>RefSeq Size:</b>	2246 bp
<b>RefSeq ORF:</b>	777 bp
<b>Locus ID:</b>	3487
<b>UniProt ID:</b>	<a href="#">P22692</a>
<b>Cytogenetics:</b>	17q21.2
<b>Domains:</b>	thyroglobulin_1, IB
<b>Protein Families:</b>	Secreted Protein
<b>Gene Summary:</b>	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 binds both insulin-like growth factors (IGFs) I and II and circulates in the plasma in both glycosylated and non-glycosylated forms. Binding of this protein prolongs the half-life of the IGFs and alters their interaction with cell surface receptors. [provided by RefSeq, Jul 2008]