

Product datasheet for **RG204188**

IGFBP4 (NM_001552) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IGFBP4 (NM_001552) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	IGFBP4
Synonyms:	BP-4; HT29-IGFBP; IBP4; IGFBP-4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG204188 representing NM_001552 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGCCCTCTGCCTCGTGGCCGCCCTGCTGCTGGCCGCCGGGCCGGCCGAGCCTGGGCGACGAAG
CCATCCACTGCCCGCCCTGCTCCGAGGAGAAGCTGGCGCGCTGCCGCCCCCGTGGGCTGCGAGGAGCT
GGTGGAGAGCCGGGCTGCGGCTGTTGCGCCACTTGCGCCCTGGGCTTGGGGATGCCCTGCGGGGTGTAC
ACCCCCGTTGCGGCTCGGGCTGCGCTGCTACCCGCCCCGAGGGGTGGAGAAGCCCTGCACACACTGA
TGCACGGCAAGGCGTGTGCATGGAGCTGGCGGAGATCGAGGCCATCCAGGAAAGCCTGCAGCCCTCTGA
CAAGGACGAGGGTGACCACCCCAACAACAGCTTCAGCCCTGTAGCGCCATGACCGCAGGTGCCTGCAG
AAGCACTTCGCCAAAATTCGAGACCGGAGCACCAGTGGGGCAAGATGAAGGTCAATGGGGCGCCCCGGG
AGGATGCCCGGCTGTGCCCGAGGCTCCTGCCAGAGCGAGCTGCACCGGGCGCTGGAGCGGCTGGCCGC
TTCACAGAGCCGACCCACGAGGACCTCTACATCATCCCCATCCCCAACTGCGACCGCAACGGCAACTTC
CACCCCAAGCAGTGTACCCAGCTCTGGATGGCAGCGTGGAAGTGCTGGTGTGTGGACCGGAAGACGG
GGTGAAGCTTCCGGGGGCTGGAGCCAAAGGGGAGCTGGACTGCCACCAGCTGGCTGACAGCTTTCG
AGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG204188 representing NM_001552
 Red=Cloning site Green=Tags(s)

MLPLCLVAALLLAAGPGPSLGD EAIHCPPCSEEK LARCRPPV GCEELVREP GCGCCATCALGLGMPCGVY
 TPRCGSGLRCYPPRGVEKPLHTLMHGQGVCMELAEIEAIQESLQPSDKDEGDHPNNSFSPCSAHDRRLQ
 KHFAKIRDRSTSGGKMKVNGAPREDARVPVQGSQCSELHRLERLAASQSRTHEDLYIIPNCDRNGNF
 HPKQCHPALDQQRGKCWCVD RKTGVKLPGGLEPKGELDCHQLADSFRE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001552

ORF Size: 774 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001552.3](#)

RefSeq Size: 2246 bp

RefSeq ORF: 777 bp

Locus ID: 3487

UniProt ID: [P22692](#)

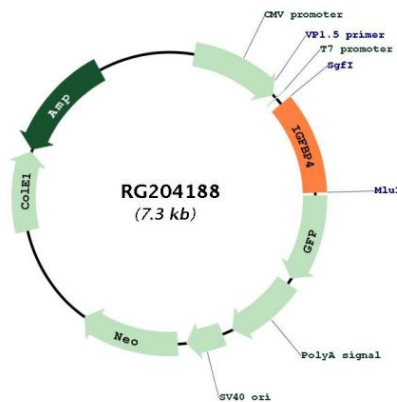
Cytogenetics: 17q21.2

Domains: thyroglobulin_1, IB

Protein Families: Secreted Protein

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 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]

Product images:



Circular map for RG204188