

Product datasheet for **RR204690**

Igfbp1 (NM_013144) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Igfbp1 (NM_013144) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Igfbp1
Synonyms: IBP1; IGF-BP25; IGFBA
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR204690 representing NM_013144
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCCGGAGTTCCTAACTGTTGTTTCTTGGCCGTTCTGATCCTCCTGTCCTCCAGGTTTCGCGTAGTCC
CTGGAGCCCCCAGCCATGGCACTGTGCTCCCTGCACTGCTGAGAGGCTGGAGCTCTGTCCACCCGTGCC
TGCTTCGTGCCCGAGATTTCTCGGCCTGCGGGCTGTGGCTGCTGCCGACATGTGCCTGCCACTGGGT
GCTGCCTGTGGTGTGGCCACTGCGCGCTGCGCTCAGGGACTCAGCTGCCGTGCGCTGCCAGGGGAGCCTC
GACCTCTGCATGCCCTCACCCGTGGCCAGGGAGCCTGTGTACTAGAACCTGCCGCACCCGCCACGAGCAG
CTTGTCGGTTCTCAGCATGAAGAGGCAAAGGCTGCTGTGGCCTCTGAGGATGAGCTTGCCGAGAGCCCA
GAGATGACAGAGGAACAGCTGCTGGATAGCTTCCACCTCATGGCCCCATCCCGTGAGGACCAGCCCATCC
TGTGGAATGCCATTAGCACCTACAGCAGCATGCGGGCCCGGAGATCACTGACCTCAAGAAATGGAAGGA
GCCCTGCCAACGGAACTCTATAAAGTGTAGAGAGATTAGCTGCCGCTCAACAGAAAGCAGGAGATGAG
ATCTACAAATTTATCTGCCAACTGCAACAAGAATGGATTTATCACAGCAAACAGTGCGAGACATCTC
TGGATGGAGAAGCTGGGCTCTGCTGGTGTCTACCCATGGAGTGGAAGAAGATCCCTGGATCTCTGGA
GACCAGAGGGGACCCCACTGCCACCAGTATTTAATGTGCAAAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR204690 representing NM_013144
Red=Cloning site Green=Tags(s)

MPEFLT VVSWPFL ILLSFQVRV VAGAPQ PWHCAPCTAERLELCPPVPASCPEISR P AGCCPTCALPLG
AACGVATARCAQGLSCRALPGEPRPLHALTRGQGACVLEPAAPATSSLSGSQH EEA KA AVASEDELAESP
EMTEEQLLDSFHLMAPSREDQPILWNAISTYSSMRAREITDLKKWKEPCQRELKYLRLAAAQQKAGDE
IYKFYLPNCNKNGFYH SKQCETSLDGEAGLCWCVYPWSGKKIPGSLETRGDPNCHQYFNVQN

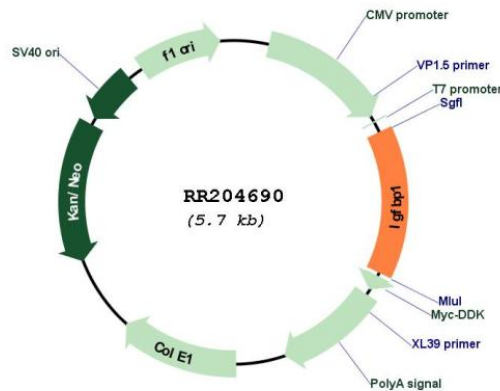
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_013144
ORF Size: 816 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:	<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_013144.1 , NP_037276.1
RefSeq Size:	1500 bp
RefSeq ORF:	819 bp
Locus ID:	25685
UniProt ID:	P21743
Cytogenetics:	14q21
MW:	29.7 kDa
Gene Summary:	a modulator of a Insulin growth factor (IGF) bioavailability [RGD, Feb 2006]