

Product datasheet for **RG219122**

IGFBPL1 (NM_001007563) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	IGFBPL1
Synonyms:	bA113O24.1; IGFBP-RP4; IGFBPRP4
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG219122 representing NM_001007563
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCGCGCTTGCTCTGCTCTTGCCGCTGCTGCTTCTGCTGCTGCTGCCGCTGCTGCCGCCGCTGTCCC
CGAGCCTTGCGATCCGCGACGTGGGCGGCCGCGCCCAAGTGTGGTCCGTGCCGCCAGAGGGCTGCC
GGCGCCTGCGCCCTGCCCGCGCCCGGATCTCGGCGCTCGACGAGTGGGCTGCTGCCGCCGCTGCCTG
GGAGCCGAGGGCGCGAGCTGCGGGGCGCGCCGCGGCGGCGCTGTGGCCCGGCGCTGGTATGCGCGAGCC
AGGCCGCTGGGGCAGCGCCGAGGGCACCAGGCTCTGCGTGTGCGCGCAGCGCGCACCGTCTGCGGCTC
CGACGGTGGCTCGTACCCAGCGTCTGCGCGCTGCGCCTGCGCGCTCGGCACACGCCCCGCGCGCACCCC
GGTCACCTGCACAAGGCGCGCAGGCCCTTGCGAGTTCGCTCCTGTGGTGTGCTTCTCCCGAAGTG
TTCACAACGTACCGGGCGCAGGTGGCCTGTCTGTGAAGTGAGGGCTGTGCCTACCCAGTCATCAC
GTGGAGAAAGGTACGAAGTCCCCTGAGGGCACCAAGCACTGGAGGAGCTGCCTGGGGACCATGTCAAT
ATAGCTGTCCAAGTGCGAGGGGGCCCTTCTGACCATGAGGCCACGGCCTGGATTTGATCAACCCCTGC
GAAAGGAGGATGAGGGTGTGTACAGTGCCATGCAGCAACATGGTGGGAGAGGCTGAGTCCACAGCAC
AGTGACGGTTCTAGATCTGAGTAAATACAGGAGCTTCACTTCCAGCTCCCGATGACCGCATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



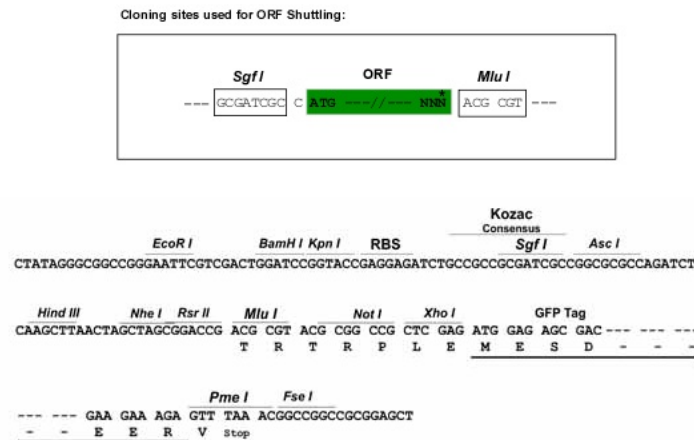
Protein Sequence: >RG219122 representing NM_001007563
Red=Cloning site Green=Tags(s)

MPRLSLLLPLLLLLLLPLLPPLSPSLGIRDVGGRRPKCGPCRPEGCPAPAPCPAPGISALDECGCCARCL
GAEGASCGGRAGGRCGGLVCASQAAGAAPEGTGLCVCAQRGTVCSDGRSYPSVCALRLRARHTPRAHP
GHLHKARDGPCEFAPIVVVPPRSVHNVTGAQVGLSCEVRAVPTPVITWRKVTKSPEGTQALEELPGDHVN
IAVQVRGSPSDHEATAWILINPLRKEDEGVYQCHAANMVGEAESHSTVTVLDLSKYRSFHFAPDDRM

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001007563

ORF Size: 834 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001007563.3](#)

RefSeq Size: 1093 bp

RefSeq ORF: 837 bp

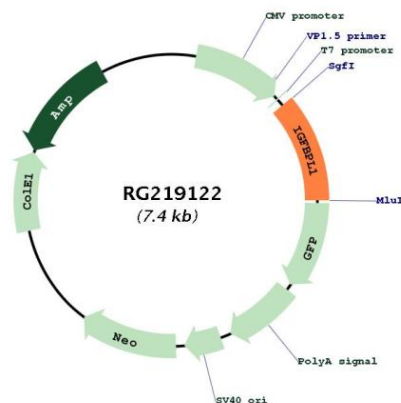
Locus ID: 347252

UniProt ID: [Q8WX77](#)

Cytogenetics: 9p13.1

Gene Summary: IGF-binding proteins prolong the half-life of IGFs and have been shown to either inhibit or stimulate the growth promoting effects of the IGFs in cell culture. They alter the interaction of IGFs with their cell surface receptors (By similarity). May be a putative tumor suppressor protein.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG219122