

## Product datasheet for **RG227245**

### IL18BP (NM\_001145055) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** IL18BP (NM\_001145055) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** IL18BP  
**Synonyms:** FVH; IL18BPa  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG227245 representing NM\_001145055  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACCATGAGACACAACCTGGACACCAGACCTCAGCCCTTTGTGGGTCCTGCTCCTGTGTGCCACGTCCG  
TCACTCTCCTGGTCAGAGCCACACCTGTCTCGCAGACCACCACAGCTGCCACTGCCTCAGTTAGAAGCAC  
AAAGGACCCCTGCCCTCCAGCCCCAGTGTCCAGCAGCTAAGCAGTGTCCAGCATTGGAAGTGACC  
TGGCCAGAGGTGGAAGTGCCACTGAGCTGGGCTGAGGGCAACCTTGCCCCCACCAAGAAGCCCTGCC  
TCCAGCCACAGCAGTCCACAGCAGCAGGGTTAAGACTCAGCACAGGGCCAGCAGCAGCACAACT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG227245 representing NM\_001145055  
Red=Cloning site Green=Tags(s)  
MTMRHNWTPDLSPLWVLLCAHVVTLLVRATPVSQTTTAATASVRSTKPCPSQPPVFAAKQCPALEVT  
WPEVEVPLSWAEGNLAPHRSPALQPQQSTAAGLRLSTGPAQAQP

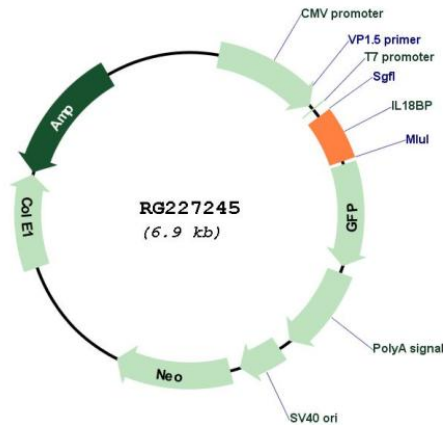
**TRTRPLE** - GFP Tag - V

**Restriction Sites:** SgfI-MluI



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**Cloning Scheme:**

**Plasmid Map:**


**ACCN:** NM\_001145055

**ORF Size:** 345 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](#)

|                               |   |
|-------------------------------|---|
| <b>OTI Annotation:</b>        | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.  |
| <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>                | <u>NM_001145055.1, NP_001138527.1</u>   |
| <b>RefSeq Size:</b>           | 1053 bp   |
| <b>RefSeq ORF:</b>            | 348 bp  |
| <b>Locus ID:</b>              | 10068   |
| <b>UniProt ID:</b>            | <u>O95998</u>   |
| <b>Cytogenetics:</b>          | 11q13.4   |
| <b>Protein Families:</b>      | Druggable Genome, Secreted Protein  |
| <b>Gene Summary:</b>          | The protein encoded by this gene functions as an inhibitor of the proinflammatory cytokine, IL18. It binds IL18, prevents the binding of IL18 to its receptor, and thus inhibits IL18-induced IFN-gamma production, resulting in reduced T-helper type 1 immune responses. This protein is constitutively expressed and secreted in mononuclear cells. Elevated level of this protein is detected in the intestinal tissues of patients with Crohn's disease. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Feb 2011] |