

## Product datasheet for **SC110117**

### IL18BP (NM\_173042) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	IL18BP (NM_173042) Human Untagged Clone
Tag:	Tag Free
Symbol:	IL18BP
Synonyms:	FVH; IL18BPa
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC110117 sequence for NM_173042 edited (data generated by NextGen Sequencing) ATGACCATGAGACACAACCTGGACACCAGACCTCAGCCCTTTGTGGGTCTGCTCCTGTGT GCCACGTCGTCACCTCTCCTGGTCAGAGCCACACCTGTCTCGCAGACCACCACAGCTGCC ACTGCCTCAGTTAGAAGCACAAAGGACCCCTGCCCTCCAGCCCCAGTGTTCCAGCA GCTAAGCAGTGTCCAGCATTGGAAGTGACCTGGCCAGAGGTGGAAGTGCCACTGAATGGA ACGCTGAGCTTATCCTGTGTGGCCTGCAGCCGCTTCCCCAACTTCAGCATCCTCTACTGG CTGGGCAATGGTTCCTTCATTGAGCACCTCCAGGCCGACTGTGGGAGGGGAGCACCAGC CGGGAACGTGGGAGCACAGGTACGCAGCTGTGCAAGGCCTTGGTGTGGAGCAGCTGACC CCTGCCCTGCACAGCACAACTTCTCCTGTGTGCTCGTGGACCCTGAACAGGTTGTCCAG CGTCACGTCGTCCTGGCCAGCTCTGGGCTGGGCTGAGGGCAACCTTGCCCCCACCCAA GAAGCCCTGCCCTCCAGCCACAGCAGTCCACAGCAGCAGGGTTAA

Clone variation with respect to NM\_173042.2



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_173042 unedited NNGGGGTACATTTGTATACGACTCCTATAGGCGGCCGCGNAATTCGCACGAGGTGAAAG TGAATAGAGGGTCGGGGCAGTGCTTTCCAGAAGGATTGCTCGGCATCCTGCCCTTCCC AGAAGCAGCTCTGGTGCTGAAGAGAGCACTGCCTCCCTGTGTGACTGGGTGAGTCCATAT TCTCTCTTTGGGTCTCAATTTTGCCTTCCCTAATGAAGGGTAAGATTGGACTAGGTAAG CATCTTACAACCATTTGTGGTCATGAGAGCTGGGGTGGGAAGGATTGCACTTGACCCC CCCAGCTCTGTTTCTAAGTGCTGAAAGAGCTCCAGGCTATGCTACGGGAGGAGAAGCCAG CTACTGAGGAAAAGCCAGCTACTGAGAAAAAGCGGGAGTGGTTTACCATTCTCTCCCC ACCTTTCACCAGAGAAGAGGACGTTGTACAGATAAAGAGCCAGGCTCACCAGCTCCTGA CGCATGCATCATGACCATGAGACACAACCTGGACACCAGACCTCAGCCCTTGTGGGTCT GCTCCTGTGTGCCACGTCGTCCTCCTGGTCAGAGCCACACCTGTCTCGCAGACCAC CACAGTGCCACTGCCTCAGTTAGAAGCACAAGGACCCCTGCCCTCCCAGCCCCCAGT GTTCCCAGCAGCTAAGCAGTGTCCAGCATTGGAAGTGACCTGGCCAGAGGTGGAAGTGCC ACTGAATGGAACGCTGAGCTTATCCTGTGTGGCCTGCAGCCGCTTCCCACTTACATCC TCTACTGGCTGGCAATGGTTCTTATTGAGCCCTCCAGCGACGGTGGGGGAGGGGAG CACCACGGGAACGTGGGAGCACAGTACGAGCTGTGCAGGNCCTTNGTGCTGNAGCAGC TGACCCC
<b>Restriction Sites:</b>	ECORI-NOT
<b>ACCN:</b>	NM_173042
<b>Insert Size:</b>	2000 bp
<b>OTI Disclaimer:</b>	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).
<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_173042.1</a> , <a href="#">NP_766630.1</a>
<b>RefSeq Size:</b>	3399 bp
<b>RefSeq ORF:</b>	579 bp
<b>Locus ID:</b>	10068
<b>UniProt ID:</b>	<a href="#">O95998</a>
<b>Cytogenetics:</b>	11q13.4
<b>Protein Families:</b>	Druggable Genome, Secreted Protein

**Gene Summary:**

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]

Transcript Variant: This variant (A) encodes the predominant isoform (a, also known as IL-18BP<sub>a</sub>), which shows the highest affinity for binding IL-18 (PMID:10655506). Variants A, E, F and G encode the same isoform.