

Product datasheet for **SC325474**

IL18BP (NM_001145055) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IL18BP (NM_001145055) Human Untagged Clone
Tag:	Tag Free
Symbol:	IL18BP
Synonyms:	FVH; IL18BPa
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001145055, the custom clone sequence may differ by one or more nucleotides ATGACCATGAGACACAACCTGGACACCAGACCTCAGCCCTTTGTGGGTCTGCTCCTGTGT GCCACGTCGTCACCTCTCCTGGTCAGAGCCACACCTGTCTCGCAGACCACCACAGCTGCC ACTGCCTCAGTTAGAAGCACAAAGGACCCCTGCCCTCCAGCCCCAGTGTCCAGCA GCTAAGCAGTGTCCAGCATTGGAAGTGACCTGGCCAGAGGTGGAAGTGCCACTGAGCTGG GCTGAGGGCAACCTTGCCCCCACCCAAGAAGCCCTGCCCTCCAGCCACAGCAGTCCACA GCAGCAGGGTTAAGACTCAGCACAGGGCCAGCAGCAGCACAACT
Restriction Sites:	Please inquire
ACCN:	NM_001145055
OTI Disclaimer:	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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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).



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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_001145055.1](#), [NP_001138527.1](#)

RefSeq Size: 1053 bp

RefSeq ORF: 348 bp

Locus ID: 10068

UniProt ID: [O95998](#)

Cytogenetics: 11q13.4

Protein Families: 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 (H) lacks two internal exons in the 3' coding region compared to variant A, which results in a frame-shift and a shorter isoform (b, also known as IL-18BPb) with a distinct C-terminus compared to isoform a. This isoform lacks the ability to bind IL-18 (PMID:10655506).