

Product datasheet for **SC333306**

IL18BP (NM_173044) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: IL18BP (NM_173044) Human Untagged Clone
Tag: Tag Free
Symbol: IL18BP
Synonyms: FVH; IL18BPa
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC333306 representing NM_173044.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGACCATGAGACACAACCTGGACACCAGACCTCAGCCCTTTGTGGGTCTGCTCCTGTGTGCCACGTC
GTCACCTCTCCTGGTCAGAGCCACACCTGTCTCGCAGACCACCACAGCTGCCACTGCCTCAGTTAGAAGC
ACAAAGGACCCCTGCCCTCCCAGCCCCAGTGTCCAGCAGCTAAGCAGTGTCCAGCATTGGAAGTG
ACCTGGCCAGAGGTGGAAGTGCCACTGAATGGAACGCTGAGCTTATCCTGTGTGGCTGCAGCCGCTTC
CCCAACTCAGCATCCTCTACTGGCTGGCAATGGTTCCTTCATTGAGCACCTCCAGGCCGACTGTGG
GAGGGGAGCACCAGCCGGGAACGTGGGAGCACAGGCTGGGCTGAGGGCAACCTTGCCCCCACC AAGA
AGCCCTGCCCTCCAGCCACAGCAGTCCACAGCAGCAGGGTTAAGACTCAGCACAGGGCCAGCAGCAGCA
CAACCTGA
```

Restriction Sites: Sgfl-Mlul
ACCN: NM_173044
Insert Size: 492 bp
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).
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_173044.2](#)

RefSeq Size: 1566 bp

RefSeq ORF: 492 bp

Locus ID: 10068

UniProt ID: [O95998](#)

Cytogenetics: 11q13.4

Protein Families: Druggable Genome, Secreted Protein

MW: 17.5 kDa

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 (D) differs in the 5' UTR and uses an alternate donor splice site at the penultimate coding exon compared to variant A. This results in a frame-shift and a shorter isoform (d, also known as IL-18BPd) with a distinct C-terminus compared to isoform a. This isoform lacks the ability to bind IL-18 (PMID:10655506).