

Product datasheet for **SC324219**

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_173042.2
CACGCAGCTAGACACAGCTAACTTGAGTCTTGGAGCTCCTAGAGGGAAGCTTCTGGAAAG
GAAGGCTCTTCAGGACCTCTTAGGAGCCAGTGTGAAGGTGAAGGAGGAAGCAGATGCCTG
TTCATATGGAAACAAAGACCTGGCTGTGAAGAGGGGAGGCGGACACCAAAGTCTGACAC
TTGGGCGGGACAGAATTGATCTAGAAGAGGACGTTGTACAGATAAAGAGCCAGGCTCAC
CAGCTCCTGACGCATGCATCATGACCATGAGACACAACCTGGACACCAGACCTCAGCCCTT
TGTGGTCTCTCCTGTGTGCCACGTGCTCACTCCTGGTCAGAGCCACACCTGTCT
CGCAGACCACCAGCTGCCACTGCCTCAGTTAGAAGCACAAAGGACCCCTGCCCTCCC
AGCCCCAGTGTTCAGCAGCTAAGCAGTGTCCAGCATTGGAAGTGACCTGGCCAGAGG
TGAAGTGCCACTGAATGGAACGCTGAGCTTATCCTGTGTGGCCTGCAGCCGCTTCCCA
ACTTCAGCATCCTCTACTGGCTGGGCAATGGTTCTTTCATTGAGCACCTCCAGGCCGAC
TGTGGGAGGGGAGCACCAGCCGGGAACGTGGGAGCACAGGTACGCAGCTGTGCAAGGCCCT
TGGTGCTGGAGCAGCTGACCCCTGCCCTGCACAGCACCAACTTCTCCTGTGTGCTCGTGG
ACCCTGAACAGGTTGTCCAGCGTACGTCGTCTGGCCAGCTCTGGGCTGGGCTGAGGG
CAACCTTGCCCCCACCAGAAGCCCTGCCCTCCAGCCACAGCAGTCCACAGCAGCAGG
GTTAAGACTCAGCACAGGCCAGCAGCAGCACAACTTGACCAGAGCTTGGGTCCTACCT
GTCTACCTGGAGTGAACAGTCCCTGACTGCCTGTAGGCTGCGTGGATGGCAACACACCC
CCTCCTTCTGTGCTTGGGTCCCTTCTCTACCAAATCAAACCTCCATCCACCTACCT
AGAAAAACACAGCCTCCTTATAATGCCTCCTCCTGCCATTCTCTCTCCACCTATCCA
TTAGCCTTCTAACGCTCTACTCCTCACACTGCTCTACTGCTCAGAAACCACCAAGACTG
TTGATGCCTTAGCCTTGCCTCCAGGGCCCTACCTGCATTTCCACATGACTTTCTGGAA
GCCTCCCAACTATTCTTGTCTTTCCAGACAGCTCCCACTCCCATGTCTCTGCTCATTTA
TCCCGTCTTCTCACCGCCCCAGCAGGGGAACGCTCAAGCCTGGTTGAAATGCTGCCTC
TTCAGTGAAGTCATCCTCTTTCAGCTCTGGCCGATTCTGCAGACTTCTATCTTCTGTC
TGTATGTTTTTTTTTTTCCCTTCACTCTAATGGACTGTTCCAGGGAAGGGATGGGGG
AGCAGCTGCTTCGGATCCACACTGTATCTGTGTATCCCCACATGGGTCCTCATAAAGGA
TTATTCATGGAA
AAAAAAAAAAAAAAAAAAAA

Restriction Sites: ECoRI-NOT

ACCN: NM_173042

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).

Reconstitution Method:	<ol style="list-style-type: none">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_173042.2 , NP_766630.2
RefSeq Size:	2189 bp
RefSeq ORF:	585 bp
Locus ID:	10068
UniProt ID:	O95998
Cytogenetics:	11q13.4
Protein Families:	Druggable Genome, Secreted Protein
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (A) encodes the predominant isoform (a, also known as IL-18BP_a), which shows the highest affinity for binding IL-18 (PMID:10655506). Variants A, E, F and G encode the same isoform.</p>