

Product datasheet for SC125997

C4BPB (NM_000716) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C4BPB (NM_000716) Human Untagged Clone
Tag:	Tag Free
Symbol:	C4BPB
Synonyms:	C4BP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_000716 edited ATTCCCAGAAACCAGGAAATTTCTGAAACTGAGTTTTAAACCTGGCAACTCTTTTACCAT CCCTTTGTATTTTTGCAGTTCCCTATACCAGCTTCCTTACAGCTGTTCTGATTCCT GTCGTAAGATTTTTCTTTTCATTTTCTCCAGGGAGGGTAAATCAATATAACCTCTTCTC TAGAGAGGAGGTGGTTAGGTTGGTCTTAAGCAGTGTTAGAAGATCTATTTTTTTTCAAAC CAGGTGTCTGAGCTGGGTGAATCCAGCCTGGGGAGAGGACTTTGATCACCAGATGTTTT TTTGGTGTGCGTGCTGTCTTATGGTTGCGTGCGGAGTTTCTGCTTCAGATGAGCACTGTC CAGAGCTTCTCCAGTGGACAATAGCATATTTGTCGCAAAGGAGGTGGAAGGACAGATTC TGGGGACTTACGTTTGTATCAAGGGCTACCACCTGGTAGGAAAGAAGACCCTTTTTTGCA ATGCCTCTAAGGAGTGGGATAACACCCTACTGAGTGCCGCTTGGGCCACTGTCCTGATC CTGTGCTGGTGAATGGAGAGTTCAGTTCTTCAGGGCCTGTGAATGTAAGTGACAAAATCA CGTTTATGTGCAATGACCACTACATCCTCAAGGGCAGCAATCGGAGCCAGTGTCTAGAGG ACCACACCTGGGCACCTCCCTTTCCCATCTGCAAAGTAGGGACTGTGACCCTCCTGGGA ATCCAGTTCATGGCTATTTTGAAGGAAATAACTTCACCTTAGGATCCACCATTAGTTATT ACTGTGAAGACAGGTAATACTTAGTGGGCGTGCAGGAGCAGCAATGCGTTGATGGGGAGT GGAGCAGTGCCTTCCAGTCTGCAAGTTGATCCAGGAAGCTCCCAAACCAGAGTGTGAGA AGGCACCTCTTGCCTTTCAGGAGAGTAAGAACCCTGCGAAGCCATGGAGAACTTTATGC AACAAATTAAGGAAAGTGGCATGACAATGGAGGAGCTAAAATATCTCTGGAGCTGAAGA AAGCTGAGTTGAAGGCAAAATTTGTAACTACAGCTGAGCAGATGTAATAGAATAA ACCTATGAATAAAATTTCTTCTTGGTTCTGTAAAAAAAAAAAAAAAAAAAAAAAAAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_000716 unedited TCAAATTTGTATACGACTCACTATAGGCGGCCGGAATTCGCCATTACGGCCGGGGATTC CCAGAAACCAGGAAATTTCTGAAACTGAGTTTTAAACCTGGCAACTCTTTTACCATCCCT TTGTATTTTTGCAGTTCCTCCCTATACCAGCTTCCTTACAGCTGTTCTGATTTCTGTGCG TAAGATTTTTCTTTTCATTTTCCAGGGAGGGTAAATCAATATAACCTCTTCTCTAGA GAGGAGGTGGTTAGTTGGTCTTAAGCAGTGTTAGAAGATCTATTTTTTTCAAACCAGG TGTCTGAGCTGGGTGAATCCAGCCTGGGGAGAGGACTTTGATCACCAGATGTTTTTTTTG GTGTGCGTGCTGTCTTATGGTTGCGTGGCGAGTTTCTGCTTACAGATGAGCACTGTCCAGA GCTTCCTCCAGTGACAATAGCATATTTGTGCGANAGGAGGTGGAAGGACAGATTCTGGG GACTTACGTTTGTATCAAGGGCTACCACCTGGTANGAAAGAAGACCCTTTTTTGAATGC CTCTAAGGAGTGGGATAACACCACTACTGAGTGCCGCTTGGGCCACTGTCCTGATCCTGT GCTGGTGAATGGAGAGTTCAGTTCTTCAGGGCCCTGTGATGTAGTGACANNATCACGTT TATGTGAATGACCACTACATCCTCAAGGGCAGNCATCGNAGCCAGTGTCTAGAGGACAC ACCTGGGCACCTNCCNTTCCCATCTGCAAAGTAGNACTGTACCCTCCTGGGATCCAGT TCATGGCTATTTGAAGGNATAACTTTACCTTAGATCCACCATTAGTTATTACTGTGAA GACAGGTAATACTTAGTGGGCGTGANGAGCCAGCATGCGTTGATGGGGAGTGNAGCAGT GCACTTCCAGTCTGCAGTTGT
Restriction Sites:	NotI-NotI
ACCN:	NM_000716
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).
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:	<u>NM_000716.3</u> , <u>NP_000707.1</u>
RefSeq Size:	1131 bp
RefSeq ORF:	759 bp
Locus ID:	725
UniProt ID:	<u>P20851</u>
Cytogenetics:	1q32.1
Protein Pathways:	Complement and coagulation cascades

Gene Summary:

This gene encodes a member of a superfamily of proteins composed predominantly of tandemly arrayed short consensus repeats of approximately 60 amino acids. A single, unique beta-chain encoded by this gene assembles with seven identical alpha-chains into the predominant isoform of C4b-binding protein, a multimeric protein that controls activation of the complement cascade through the classical pathway. C4b-binding protein has a regulatory role in the coagulation system also, mediated through the beta-chain binding of protein S, a vitamin K-dependent protein that serves as a cofactor of activated protein C. The genes encoding both alpha and beta chains are located adjacent to each other on human chromosome 1 in the regulator of complement activation gene cluster. Alternative splicing gives rise to multiple transcript variants. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (1), also known as A19, represents the longest transcript and encodes the longer isoform (1).