

## Product datasheet for TP319158M

### C4BPB (NM\_001017364) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human complement component 4 binding protein, beta (C4BPB), transcript variant 2, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC219158 representing NM_001017364 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MFFWCACCLMVAWRVSASDEHCPPELPPVDNSIFVAKEVEGQILGTYVCIKGYHLVGKKTLCFNASKEDWN TTTECRLGHCPDPVLVNGEFSSSGPVNVSDKITFMCNDHYILKGSNRSQCLEDHTWAPPFPICKSRDCDP PGNPVHGYFEGNNFTLGSTISYYCEDRYLVGVQEQQCVDGEWSSALPVCKLIQEAPKPECEKALLAFQE SKNLCEAMENFMQQLKESGMTMEELKYSLELKKAKLL
	<b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	26.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_001017364</a>
Locus ID:	725



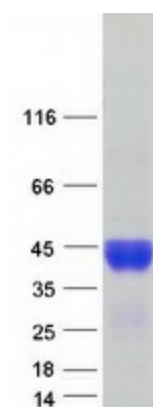
[View online »](#)

UniProt ID:	<a href="#">P20851</a>
RefSeq Size:	1128
Cytogenetics:	1q32.1
RefSeq ORF:	753
Synonyms:	C4BP

**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]

**Protein Pathways:** Complement and coagulation cascades

### Product images:



Coomassie blue staining of purified C4BPB protein (Cat# [TP319158]). The protein was produced from HEK293T cells transfected with C4BPB cDNA clone (Cat# [RC219158]) using MegaTran 2.0 (Cat# [TT210002]).