

Product datasheet for TP323685

C4BPB (NM_000716) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human complement component 4 binding protein, beta (C4BPB), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC223685 representing NM_000716 Red =Cloning site Green =Tags(s)
	 MFFWCACCLMVAWRVSASDEHCPPELPPVDNSIFVAKEVEGQILGTYVCIKGYHLVGKKTLCFNASKEDWN TTTECRLGHCPDPLVNGEFSSSGPVNVSDKITFMCNDHYILKGSNRSQCLEDHTWAPPFPICKSRDCDP PGNPVHGYFEGNNFTLGSTISYYCEDRYLVGVQEQQCVDGEWSSALPVCKLIQEAPKPECEKALLAFQE SKNLCEAMENFMQQLKESGMTMEELKYSLELKKAKLL TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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:	NP_000707
Locus ID:	725



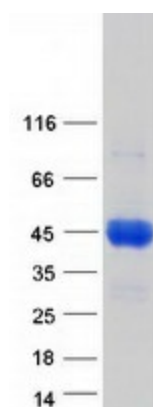
[View online »](#)

UniProt ID:	P20851
RefSeq Size:	1131
Cytogenetics:	1q32.1
RefSeq ORF:	968
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# TP323685). The protein was produced from HEK293T cells transfected with C4BPB cDNA clone (Cat# [RC223685]) using MegaTran 2.0 (Cat# [TT210002]).