Recombinant Full Length Human C4BPB Protein, C-Flag-tagged

Cat. No. C4BPB-1931HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human C4BPB Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	26.2 kDa
AA Sequence	MFFWCACCLMVAWRVSASDEHCPELPPVDNSIFVAKEVEGQILGTYVCIKGYHLVG

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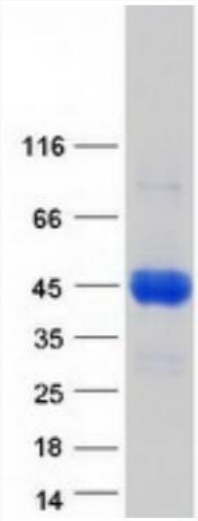
	KKTLFCNASKEWDN TTTECRLGHCPDPVLVNGEFSSSGPVNVSDKITFMCNDHYIL KGSNRSQCLEDHTWAPPFPICKSRDCDP PGNPVHGYFEGNNFTLGSTISYYCEDR YYLVGVQEQQCVDGEWSSALPVCKLIQEAPKPECEKALLAFQE SKNLCEAMENFM QQLKESGMTMEELKYSLELKKAELKAKLL TRTRPLEQKLISEEDLAANDILDYKDDD DKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Pathways	Complement and coagulation cascades
Full Length	Full L.

GENE INFORMATION

Gene Name	C4BPB complement component 4 binding protein beta [Homo sapiens (human)]
Official Symbol	C4BPB
Synonyms	C4BP
Gene ID	725

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mRNA Refseq	NM_000716.3
Protein Refseq	NP_000707.1
MIM	120831
UniProt ID	P20851



Coomassie blue staining of purified C4BPB protein.

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