

Recombinant Full Length Human C4BPB Protein, GST-tagged

Cat. No. C4BPB-2631HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human C4BPB full-length ORF (AAH05378, 1 a.a. - 251 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	251 amino acids
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. [provided by RefSeq, Jul 2008]
Molecular Mass	53.35 kDa
AA Sequence	MFFWCACCLMVAWRVSASDEHCPPEPPVDNSIFVAKEVEGQILGTYVCIKGYHLVG KKTLLFCNASKEWDNTTTECRLGHCPDPVLVNGEFSSSGPVPNVSDKITFMCNDHYILK

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GSNRSQCLEDHTWAPFPICKSRDCDPPGNPVHGYFEGNNFTLGSTISYYCEDRYY
LVGVQEQQCVDGEWSSALPVCKLIQEAPKPECEKALLAFQESKNLCEAMENFMQQ
LKESGMTMEELKYSLELKKAELKAKLL

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

C4BPB complement component 4 binding protein, beta [Homo sapiens]

Official Symbol

C4BPB

Synonyms

C4BPB; complement component 4 binding protein, beta; C4BP, complement component 4 binding protein, beta; C4b-binding protein beta chain; C4b binding protein; beta chain; complement component 4 binding protein; C4BP;

Gene ID

725

mRNA Refseq

NM_000716

Protein Refseq

NP_000707

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MIM	120831
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UniProt ID	P20851
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