

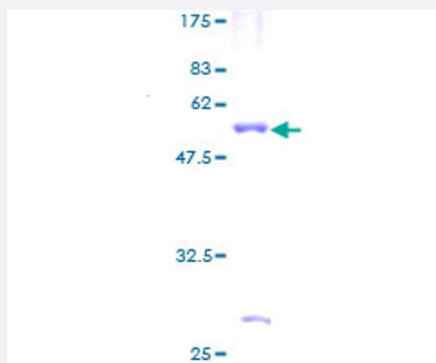
Full-Length

C4BPB (Human) Recombinant Protein (P01)

Catalog # H00000725-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human C4BPB full-length ORF (AAH05378, 1 a.a. - 251 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MFFWCACCLMVAWRVSASDEHCPPELPPVDNSIFVAKEVEGQILGTYVCIKGYHLVGKTLFCNA SKEWDNTTTECRLGHCPDPVLVNGEFSSSGPVNVSDKITFCNDHYILKGSNRSQCLEDHTWAP PFPICKSRDCDPPGNPVHGYFEGNFTLGSTISYYCEDRYLVGVQEQQCVDGEWSSALPVCKLI QEAPKPECEKALLAFQESKNLCEAMENFMQQLKESGMTMEELKYSLELKKAELKAKLL
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	53.35
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — C4BPB

Entrez GeneID [725](#)

GeneBank Accession# [BC005378](#)

Protein Accession# [AAH05378](#)

Gene Name C4BPB

Gene Alias C4BP

Gene Description complement component 4 binding protein, beta

Omim ID [120831](#)

Gene Ontology [Hyperlink](#)

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]

Other Designations C4b binding protein, beta chain|OTTHUMP00000034288|OTTHUMP00000034289|OTTHUMP0000034375|complement component 4 binding protein, beta chain|complement component 4-binding protein, beta

Pathway

- [Complement and coagulation cascades](#)

Disease

- [Birth Weight](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Leukemia](#)
- [Lymphoma](#)
- [Macular Degeneration](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Tobacco Use Disorder](#)
- [Venous Thrombosis](#)