

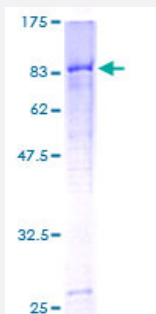
Full-Length

C4BPA (Human) Recombinant Protein (P01)

Catalog # H00000722-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human C4BPA full-length ORF (AAH22312, 49 a.a. - 597 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

NCGPPPTLSFAAPMDITLTETRFKTGTTLKYTCLPGYVRSHSTQTLTCNSDGEWVYNTFCYKRCR
HPGELRNGQVEIKTDLSTFGSQIEFSCSEGFFLIGSTTSRCEVQDRGVGWSHPLPQCEMKCKPPP
DIRNGRHSGEENFYAYGFSVTYSCDPRFSLLGHASISCTVENETIGVWRPSPPTCEKITCRKPDVS
HGEMVSGFGPIYNYKDTIVFKCQKGFVLRGSSVIHCDADSKWNPSPPACEPNSCINLPDIPHASW
ETYPRTKEDVYVGTVLRYRCHPGYKPTTDEPTTVICQKNLRWTPYQGCEALCCPEPKLNNGEIT
QHRKSRPANHCVYFYGDEISFSCHETSRFSAICQGDGTWSPRTPSCGDICNFPKIAHGHIYKQSS
SYSFFKEEIIYECDKGYLVGQAKLSCSYSHWSAPAPQCKALCRKPELVNGLSVVDKQYVEPEN
VTIQCDSGYGVVGPQSITCSGNRTWYPEVPKCEWETPEGCEQVLTGKRLMQCLPNPEDVKMAL
EVYKLSLEIEQLELQRDSARQSTLDKEL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

86.13

Interspecies Antigen Sequence

Rat (60)

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 — C4BPA

Entrez GeneID	722
GeneBank Accession#	BC022312
Protein Accession#	AAH22312
Gene Name	C4BPA
Gene Alias	C4BP, PRP
Gene Description	complement component 4 binding protein, alpha
Omim ID	120830
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. Along with a single, unique beta-chain, seven identical alpha-chains encoded by this gene assemble into the predominant isoform of C4b-binding protein, a multimeric protein that controls activation of the complement cascade through the classical pathway. 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. Two pseudogenes of this gene are also found in the cluster. [provided by RefSeq]
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Other Designations

C4b binding protein, alpha chain|OTTHUMP00000034376|complement component 4 binding protein, alpha chain|complement component 4-binding protein, alpha|proline-rich protein

Pathway

- [Complement and coagulation cascades](#)

Disease

- [Birth Weight](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Hemolytic-Uremic Syndrome](#)
- [Kidney Failure](#)
- [Leukemia](#)
- [Lymphoma](#)
- [Macular Degeneration](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Venous Thrombosis](#)