

Product datasheet for AR50488PU-S

C4b-binding protein beta (18-252, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	C4b-binding protein beta (18-252, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSHMSDAEH CPELPPVDNS IFVAKEVEGQ ILGTYVCIKG YHLVGKKTLF CNASKEWDNT TTECRLGHCP DPVLVNGEFS SSGPVNVSDK ITFMCNDHYI LKGSNRSQCL EDHTWAPPFP ICKSRDCDPP GNPVHGYFEG NNFTLGSTIS YYCEDRYYLV GVQEQQCVDG EWSSALPVCK LIQEAPKPEC EKALLAFQES KNLCEAMENF MQQLKESGMT MEELKYSLEL KKAELKAKLL
Tag:	His-tag
Predicted MW:	29.0 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.15M NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant human C4BPB protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP 000707</u>
Locus ID:	725
UniProt ID:	<u>P20851</u>
Cytogenetics:	1q32.1
Synonyms:	C4BP



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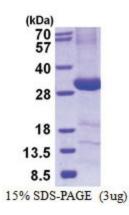
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Summary:This gene encodes a member of a superfamily of proteins composed predominantly of
tandemly arrayed short consensus repeats of approximately 60 amino acids. A single, unique
beta-chain encoded by this gene assembles with seven identical alpha-chains 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:



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