

Datasheet for ABIN5713996
C4B Protein (AA 1454-1744) (His tag)



[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	C4B (C4b)
Protein Characteristics:	AA 1454-1744
Origin:	Human
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This C4B protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	EAPKVVEEQE SRVHYTVCIW RNGKVGLSGM AIADVTLLSG FHALRADLEK LTSLSDRYVS HFETEGPHVL LYFDSVPTSR ECVGFQAVQE VPVGLVQPAS ATLYDYYNPE RRCSVFYGAP SKSRLLATLC SAEVCQCAEG KCPRQRRAL RGLQDEEDGYR MKFACYYPV EYGFQVKVLR EDSRAAFRLF ETKITQVLHF TKDVKAAANQ MRNFLVRASC RLRLEPGKEY LIMGLDGATY DLEGHPQYLL DSNWIEEMP SERLCRSTRQ RAACAQLNDF LQEYGTQGCQ V
Purification:	SDS-PAGE
Purity:	> 90 %

Target Details

Target:	C4B (C4b)
Alternative Name:	CO4B (C4b Products)

Target Details

Background: Non-enzymatic component of the C3 and C5 convertases and thus essential for the propagation of the classical complement pathway. Covalently binds to immunoglobulins and immune complexes and enhances the solubilization of immune aggregates and the clearance of IC through CR1 on erythrocytes. C4A isotype is responsible for effective binding to form amide bonds with immune aggregates or protein antigens, while C4B isotype catalyzes the transacylation of the thioester carbonyl group to form ester bonds with carbohydrate antigens. Derived from proteolytic degradation of complement C4, C4a anaphylatoxin is a mediator of local inflammatory process. It induces the contraction of smooth muscle, increases vascular permeability and causes histamine release from mast cells and basophilic leukocytes.

Molecular Weight: 35.1 kDa

UniProt: [P0C0L5](#)

Pathways: [Complement System](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

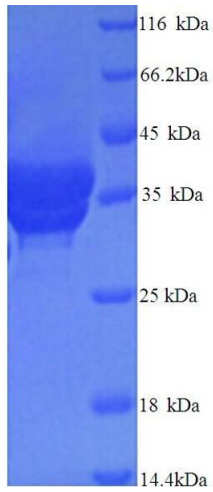
Format: Liquid

Concentration: 0.1-2 mg/mL

Buffer: 20 mM Tris-HCl based buffer, pH 8.0

Storage: -80 °C, 4 °C, -20 °C

Storage Comment: Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.



SDS-PAGE

Image 1.