

Datasheet for ABIN5710718  
**C4B Protein (AA 1454-1744) (His-SUMO Tag)**



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1 Image

## Overview

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

## Product Details

Sequence:	EAPKVVEEQE SRVHYTVCIW RNGKVGLSGM AIADVTLLSG FHALRADLEK LTSLSDRYVS HFETEGPHVL LYFDSVPTSR ECVGFQAVQE VPVGLVQPAS ATLYDYYPNPE RRCSVFGAP SKSRLLATLC SAEVCQCAEG KCPRQRRAL RGLQDEEDGYR MKFACYYPVRV 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 ( <a href="#">C4b Products</a> )

## Target Details

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**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.

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**Molecular Weight:** 49.1 kDa

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**UniProt:** [P0C0L5](#)

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**Pathways:** [Complement System](#)

## Application Details

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

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**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

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**Concentration:** 0.1-2 mg/mL

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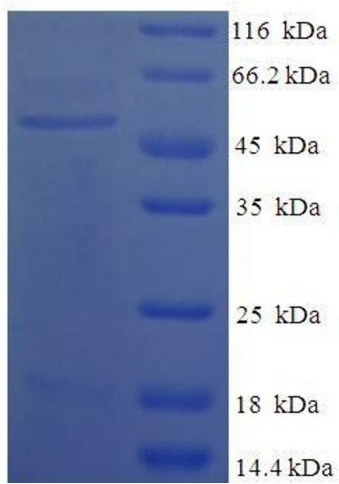
**Buffer:** 20 mM Tris-HCl based buffer, pH 8.0

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**Storage:** -80 °C, 4 °C, -20 °C

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**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.**