Recombinant human Complement Factor B protein

Catalog Number: ATGP2479

PRODUCT INFORMATION

Expression system
E.coli

Domain
260-764aa

UniProt No.
P00751

NCBI Accession No.
NP_001701

Alternative Names
complement factor B, AHuS4, BF, BFD, CFAB, FB, FBI12, GBG, H2-Bf, PBF2

PRODUCT SPECIFICATION

Molecular Weight
59.4 kDa (528aa)

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Purity
> 85% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE, Denatured

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
CFB encodes complement factor B, a component of the alternative pathway of complement activation. Factor B circulates in the blood as a single chain polypeptide. upon activation of the alternative pathway, it is cleaved by complement factor D yielding the noncatalytic chain Ba and the catalytic subunit Bb. The active subunit Bb is a serine protease which associates with C3b to form the alternative pathway C3 convertase. Bb is involved in the proliferation of preactivated B lymphocytes, while Ba inhibits their proliferation. Recombinant human CFB-Bb protein, fused to His-tag at N-terminus, was expressed in E. coli.

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Amino acid Sequence

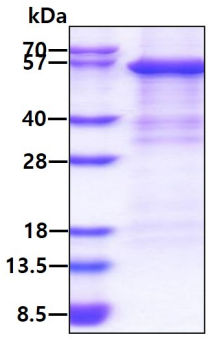
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General References

Wu,L., et al. (2013) Invest. Ophthalmol. Vis. Sci. 54 (1), 170-174
Thakkinstian,A., et al. (2012) Am. J. Epidemiol. 176 (5), 361-372

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.