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Product Datasheet

Human Factor B (Ba fragment) protein, His and GST tag (active), Unconjugated GTX00269-PRO

Article Name	Human Factor B (Ba fragment) protein, His and GST tag (active), Unconjugated
Biozol Catalog Number	GTX00269-PRO
Supplier Catalog Number	GTX00269-pro
Alternative Catalog Number	GTX00269-PRO-10
Manufacturer	GeneTex
Category	Proteine/Peptide
Application	FA
Species Reactivity	Human
Conjugation	Unconjugated
NCBI	629
UniProt	P00751
Buffer	Reconstitute with 20mM Tris and 150mM NaCl to 0.1-1.0mg/ml. Do not vortex. Lyophilized from 20mM Tris, 150mM NaCl, 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose, ProClin 300.
Expression System	E. coli
Form	Lyophilized powder
Sequence	N-terminal His and GST-Tag, Gly35~Asn160 (NP_001701.2)

Application Notes	Complement Factor B (CFB) a component of the alternative pathway of complement activation. 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 that associates with C3b to form the alternative pathway C3 convertase. The method of functional assay of CFB was tested in hemolysis assays. Two-fold dilute the recombinant human CFB with 0.9% NaCl, 2 mmol/L MgCl₂, and then add same volume of 1% rabbit erythrocyte (RaE) in 8 mmol/L EDTA, the negative control only without MgCl₂. All the samples incubated at 37C. After 3 hours later, take 10 µl supernatant and 90µl TMB incubated at 37C for 5-10 minutes. Finally, add 50 µl stop solution to the wells and read at 450nm immediately. The minimal effective concentration of CFB is 0.3125µg/ml.
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