

Recombinant Mouse Complement factor B(CFB)

Catalog No: #AP70161

Package Size: #AP70161-1 20ug #AP70161-2 100ug #AP70161-3 1mg

Description

Product Name	Recombinant Mouse Complement factor B(CFB)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:23-761aaSequence Info:Full Length
Other Names	C3,C5 convertaseGlycine-rich beta glycoprotein ;GBGPBF2;Properdin factor B
Accession No.	P04186
Calculated MW	87 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	TPVLEARPQVSCSLEGEVEIKGGSFQLLQGGQALEYLCPSGFYPYPVQTRTCRSTGSWSDLQTRDQKIVQKAE CRAIRCPRPQDFENGFEWPRSPFYNLSDQISFQCYDGYVLRGSANRTCQENGRWDGQTAICDDGAGYCPNP GIPIGTRKVGSGYRLEDIVTYHCSRGLVLRGSQKRKCQEGGSWSGTEPSCQDSFMYDSPQEVAEAFSSLTE TIEGADAEDGHSPGEQQKRKIVLDPSGSMNIYLVLDGSDSIGSSNFTGAKRCLTNLIEKVASYGVRPRYGLLTY ATVPKVLVRVSDERSSDADWVTEKLNQISYEDHKLKSGTNTKRALQAVYSMMSWAGDAPPEGWNRTRHVIII MTDGLHNMGGNPVTVIQDIRALLDIGRDPKNPREDYLDVYVFGVGPLVDSVNINALASKKDNEHHVFKVKDME DLENVIFYQMIDETKSLSLCGMVWEHKKGNDYHKQPWQAKISVTRPLKGHETCMGAVVSEYFVLTAAHCFMV DDQKHSIKVSVGGQRRDLEIEEVLFHPKYNINGKKAEGIPEFYDYDVALVKLNKLYGQTLRPICLPCTEGTTR ALRLPQTATCKQHKEQLLPVKDVKALFVSEQGKSLTRKEVYIKNGDKKASCERDATKAQGYEKVKDASEVVT RFLCTGGVDPYADPNTCKGDSGGPLIVHKRSRFIQVGVISWGVVDVCRDQRRQQLVPSYARDFHINLFQVLP WLKDKLKDEDLGFL
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Factor B which is part of the alternate pathway of the complement system is cleaved by factor D into 2 fragments: Ba and Bb. Bb, a serine protease, then combines with complement factor 3b to generate the C3 or C5 convertase. It has also been implicated in proliferation and differentiation of preactivated B-lymphocytes, rapid spreading of peripheral blood monocytes, stimulation of lymphocyte blastogenesis and lysis of erythrocytes. Ba inhibits the proliferation of preactivated B-lymphocytes.

References

Mutations in alternative pathway complement proteins in American patients with atypical hemolytic uremic syndrome.Maga T.K., Nishimura C.J., Weaver A.E., Frees K.L., Smith R.J.H.Hum. Mutat. 31:E1445-E1460(2010) Research Topic:Others

Note: This product is for in vitro research use only and is not intended for use in humans or animals.