Human CellExp™ Properdin, Human Recombinant

CATALOG NO:
P1470-10 10 µg
P1470-50 50 µg

ALTERNATE NAMES: Properdin, Complement factor P, CFP, PFC

MOL. WT. This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 50.7 kDa. The protein migrates as 55 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

SOURCE: HEK 293 cells

PURITY: >90% SDS-PAGE

ENDOTOXIN: Less than 1.0 EU per µg by the LAL method.

FORM: Lyophilized

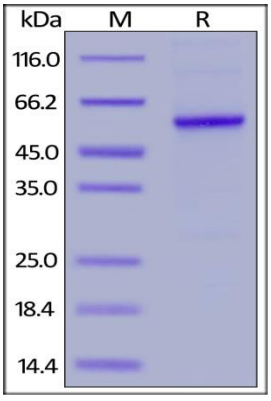
FORMULATION: Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.

RECONSTITUTION: Reconstitute in sterile deionized water to the desired protein concentration.

STORAGE CONDITIONS: Store at -20°C. After reconstitution, aliquot and store at -70°C and use within 3 months. Avoid repeated freezing and thawing cycles.

DESCRIPTION: Properdin is also known as Complement factor P, CFP, PFC, a positive regulator of the alternate pathway of complement. It binds to and stabilizes the C3- and C5-convertase enzyme complexes. Properdin is produced by many different leukocyte subsets and circulates as cyclic oligomers of monomeric subunits. Properdin on platelet/granulocyte aggregates(PGA) formation are tightly regulated by Factor H, properdin enhances PGA formation via increased production of C5a, and that inhibition of properdin function has therapeutic potential to limit thromboinflammation in diseases characterized by increased PGA formation.

AMINO ACID SEQUENCE: Asp 28 - Leu 469



Human Properdin, His Tag on SDS-PAGE under reducing (R) condition.

RELATED PRODUCTS:

Human CellExp™ Complement C5a , Mouse recombinant (P1427)
Complement C3c, Human Plasma (P1271)
Human CellExp™ Complement C5, Cynomolgus Recombinant (P1414)

FOR RESEARCH USE ONLY! Not to be used on humans.