



# Recombinant Protein Technical Manual

**Recombinant Human Complement Factor B/CFB  
Protein (His Tag)**  
RPES0897

## Product Data:

**Product SKU:** RPES0897

**Size:** 10µg

**Species:** Human

**Expression host:** Human Cells

**Uniprot:** P00751

## Protein Information:

**Molecular Mass:** 84.1 kDa

**AP Molecular Mass:** 90 kDa

**Tag:** C-6His

**Bio-activity:**

**Purity:** > 95 % as determined by reducing SDS-PAGE.

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**Storage:** Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

**Shipping:** This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

**Formulation:** Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 150mM NaCl, pH 8.0.

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** Complement Factor B; C3/C5 Convertase; Glycine-Rich Beta Glycoprotein; GBG; PBF2; Properdin Factor B; CFB; BF; BFD

## Immunogen Information:

**Sequence:** Thr 26-Leu764

## Background:

Complement Factor B (CFB) belongs to the peptidase S1 family of enzymes. It is expressed by hepatocytes and macrophages and localizes to the major histocompatibility complex (MHC) class III region on chromosome 6. CFB which is a component of the alternate pathway of the complement system is cleaved by factor D into 2 fragments: Ba and Bb. 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.