

## Product datasheet for **AR51299PU-S**

### Complement factor B (260-764, His-tag) Human Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Complement factor B (260-764, His-tag) human recombinant protein, 0.1 mg
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	MGSSHHHHHH SSGLVPRGSH MGSKIVLDPS GSMNIYLVLD GSDSIGASNF TGAKKCLVNL IEKVASYGVK PRYGLVYAT YPKIWKVSE ADSSNADWVT KQLNEINYED HKLKSGTNTK KALQAVYSMM SWPDDVPEEG WNRTRHVIL MTDGLHNMGG DPITVIDEIR DLLYIGKDRK NPREDYLDVY VFGVGPLVNQ VNINALASKK DNEQHVFKVK DMENLEDVFY QMIDESQSLS LCGMVWEHRK GTDYHKQPWQ AKISVIRPSK GHESCMGAVV SEYFVLTAAH CFTVDDKEHS IKVSVGGEKR DLEIEVLFH PNYNINGKKE AGIPEFYDYD VALIKLKNKL KYGQTIRPIC LPCTEGTTRA LRLPPTTTCQ QQKEELLPAQ DIKALFVSEE EKKLTRKEVY IKNGDKKGSC ERDAQYAPGY DKVKDISEV TPRFLCTGGV SPYADPNTCR GDSGGPLIVH KRSRFIQGV ISWGWDVCK NQKRQKQVPA HARDFHINLF QVLPWLKEKL QDEDLGFL
<b>Tag:</b>	His-tag
<b>Predicted MW:</b>	59.4 kDa
<b>Concentration:</b>	lot specific
<b>Purity:</b>	>85% by SDS - PAGE
<b>Buffer:</b>	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol
<b>Preparation:</b>	Liquid purified protein
<b>Protein Description:</b>	Recombinant human CFB-Bb protein, fused to His-tag at N-terminus, was expressed in E.coli .
<b>Storage:</b>	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>RefSeq:</b>	<a href="#">NP_001701</a>
<b>Locus ID:</b>	629
<b>UniProt ID:</b>	<a href="#">P00751</a> , <a href="#">A0A1U9X7H8</a>



[View online »](#)

**Cytogenetics:** 6p21.33

**Synonyms:** AHUS4; ARMD14; BF; BFD; CFAB; CFBD; FB; FBI12; GBG; H2-Bf; PBF2

**Summary:** This gene 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. This gene localizes to the major histocompatibility complex (MHC) class III region on chromosome 6. This cluster includes several genes involved in regulation of the immune reaction. Polymorphisms in this gene are associated with a reduced risk of age-related macular degeneration. The polyadenylation site of this gene is 421 bp from the 5' end of the gene for complement component 2. [provided by RefSeq, Jul 2008]

**Protein Families:** Druggable Genome, Protease, Secreted Protein

**Protein Pathways:** Complement and coagulation cascades

### Product images:

