

AR09605PU-N**Human CFBF (1-182, His-tag) - Purified****Alternate names:**

CBF beta, CBF-beta, Core-binding factor beta, PEA2-beta, PEBP2-beta, Polyomavirus enhancer-binding protein 2 beta subunit, SL3-3 enhancer factor 1 subunit beta, SL3/AKV core-binding factor beta subunit

Quantity:

50 µg

Concentration:

0.5 mg/ml (determined by Bradford assay)

Background:

CBFB, also known as PEBP2B, is the beta subunit of a heterodimeric core-binding transcription factor belonging to the PEBP2/CBF transcription factor family which master-regulates a host of genes specific to hematopoiesis (e.g., RUNX1) and osteogenesis (e.g., RUNX2). This protein is a non-DNA binding regulatory subunit and it allosterically enhances DNA binding by alpha subunit.

Uniprot ID:

[Q13951](#)

NCBI:

[NP_001746](#)

GeneID:

[865](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >85% by SDS-PAGE

Buffer System: 20 mM MES (pH 6.0) containing 0.1 mM PMSF, 10% Glycerol

Description:

Recombinant human CFBF protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

AA Sequence:

MGSSHHHHHH SSGLVPRGSH MPRVVPDQRS KFNENEFFRK LSRECEIKYT GFRDRPHEER
QARFQNA CRD GRSEIAFVAT GTNLSLQFFP ASWQGEQRQT PSREYVDLER EAGKVYLKAP
MILNGVCVIW KGWIDLQRLD GMGCLEFDEE RAQQEDALA QAFEEARRRT REFEDRDRSH
REEMEVRSQ LLAVTGKKT RP

Molecular weight: 23.6 kDa (202aa), confirmed by MALDI-TOF

Storage:

Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

Speck NA., et al. (2009) Blood. 113(13):3070-9.

Ito Y., et al. (2008) Blood. 112(9):3777-87.

Pictures:

Recombinant human CFBF, 1-182aa, His-tagged

