

# Recombinant Human Core-binding Factor, Beta Subunit, His-tagged

**Cat. No.** CFBF-2776H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant human CFBF protein, fused to His-tag at N-terminus, was expressed in <i>E. coli</i> and purified by using conventional chromatography. MW = 23.6 kDa(202aa).
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-182 a.a.
<b>Description</b>	CFBF, 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.
<b>Form</b>	Liquid. In 20 mM MES (pH 6.0) containing 0.1 mM PMSF, 10% Glycerol.
<b>Purity</b>	> 85% by SDS - PAGE.
<b>Concentration</b>	0.5 mg/ml (determined by Bradford assay).
<b>Sequences Of Amino Acids</b>	MGSSHHHHHH SSGLVPRGSH MPRVVPDQRS KFENEFFRK LSRECEIKYT GF RDRPHEER QARFQNACRD GRSEIAFVAT GTNLSLQFFPASWQGEQRQT PSREY VD LE R EAGKVYLKAP MILNGVCVIW KGWIDLQRLD GMGCLEFDEE RA QQE

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DAL AQ QAFEEARRRT REFEDRDRSHREEMEVRSQ LLAVTGKKT RP.

**Storage**

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

## GENE INFORMATION

**Gene Name**

CBFB core-binding factor, beta subunit [ Homo sapiens ]

**Synonyms**

core-binding factor, beta subunit; Polyomavirus enhancer-binding protein 2 beta subunit; PEBP2B; CBFB; core-binding factor subunit beta; CBF-beta; PEA2-beta; SL3-3 enhancer factor 1 beta subunit; SL3-3 enhancer factor 1 subunit beta; SL3/AKV core-binding factor beta subunit; polyomavirus enhancer-binding protein 2 beta subunit; polyomavirus enhancer binding protein 2, beta subunit

**Gene ID**

865

**mRNA Refseq**

NM\_001755

**Protein Refseq**

NP\_001746

**MIM**

121360

**UniProt ID**

Q13951

**Chromosome Location**

16q22.1

**Function**

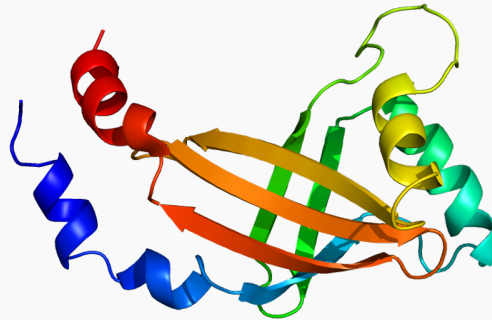
RNA polymerase II transcription factor activity; protein binding; transcription coactivator activity; transcription factor activity

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