

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

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

SPECIFICATION

Product Overview	Recombinant human CBFB 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).
Species	Human
Source	E.coli
ProteinLength	1-182 a.a.
Description	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.
Form	Liquid. In 20 mM MES (pH 6.0) containing 0.1 mM PMSF, 10% Glycerol.
Purity	> 85% by SDS - PAGE.
Concentration	0.5 mg/ml (determined by Bradford assay).
Sequences Of Amino Acids	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 LLAVTGKKTT 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

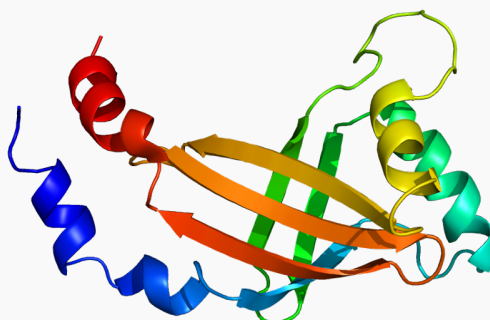
RNA polymerase II transcription factor activity; protein binding; transcription coactivator activity; transcription factor activity

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on 1cl3.



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