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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

CBFB (Human) Recombinant Protein (P01)

Catalog Number: H00000865-P01

Regulation Status: For research use only (RUO)

Product Description: Human CBFB full-length ORF (AAH18509, 1 a.a. - 182 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MPRVVPDQRSKFENEFFRKLRSRECEIKYTGFGDRPH
EERQARLQNACRDGRSEIAFVATGTNLSLQFFPASWQ
GEQRQTPSREYVDLEREAGKVYLKAPMILNGVCVIWK
GWIDLQRLDGMGCLEFDEERAQQEDALAQQAFFEEAR
RRTREFEDRDRSHREEMEVRSQLLAVTGKKTTRP

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 45.76

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 865

Gene Symbol: CBFB

Gene Alias: PEBP2B

Gene Summary: The protein encoded by this gene 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). The beta subunit is a non-DNA binding regulatory subunit; it allosterically enhances DNA binding by alpha subunit as the complex binds to the core site of various enhancers and promoters, including murine leukemia virus, polyomavirus enhancer, T-cell receptor enhancers and GM-CSF promoters. Alternative splicing generates two mRNA variants, each encoding a distinct carboxyl terminus. In some cases, a pericentric inversion of chromosome 16 [inv(16)(p13q22)] produces a chimeric transcript consisting of the N terminus of core-binding factor beta in a fusion with the C-terminal portion of the smooth muscle myosin heavy chain 11. This chromosomal rearrangement is associated with acute myeloid leukemia of the M4Eo subtype. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]