

## Recombinant human BEND6, His-tagged

Cat. No. BEND6-2441H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human BEND6 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	BEND6, as known as BEN domain-containing protein 6, is a neural BEN-solo factor that shares many functional attributes with Drosophila Insensitive, a co-repressor for the Drosophila CSL factor. This protein binds the mammalian CSL protein CBF1 and antagonizes Notch-dependent target activation. In addition, its association with Notch- and CBF1-regulated enhancers is promoted by CBF1 and antagonized by activated Notch. In utero electroporation experiments showed that ectopic BEND6 inhibited Notch-mediated self-renewal of neocortical neural stem cells and promoted neurogenesis.
<b>Form</b>	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.1M NaCl
<b>Molecular Mass</b>	33.6kDa (302aa), confirmed by MALDI-TOF
<b>AA Sequence</b>	MGSSHHHHHH SSGLVPRGSH MGSMQKIVQT DEITNTQAFR KGKRKRRTETM DSENANSMDM KGQRDPYSGN AFLPGESSSE DEEPLAELSKEELCAKIKSL KEKLTNTRKE NSRLRQSLVM LQVLPQAVTQ FEELVGMAEA LLKGGGTMTST SASTLWRATN NSSPDSFAST CSNSNSNSSSPVSLKPEEEH QTDEKQFQIE KWQIARCNKS KPQKFINDLM QVLYTNEYMA THSLTGAKSS TSRDKAVKPA

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MNQNEVQEII GVTKQLFPNTDDVSIRRMIG QKLNCTKKP NLSKNLNSQD IK

**Purity** >90% by SDS - PAGE

**Applications** SDS-PAGE

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

**Concentration** 1 mg/ml (determined by Bradford assay)

## GENE INFORMATION

**Gene Name** [BEND6 BEN domain containing 6 \[ Homo sapiens \]](#)

**Official Symbol** BEND6

**Synonyms** BEND6; BEN domain containing 6; C6orf65, chromosome 6 open reading frame 65; BEN domain-containing protein 6; bA203B9.1; FLJ30162; C6orf65;

**Gene ID** [221336](#)

**mRNA Refseq** [NM\\_152731](#)

**Protein Refseq** [NP\\_689944](#)

**UniProt ID** [Q5SZJ8](#)

**Chromosome Location** 6p12.1

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