

BEND6, 1-279aa, Human, His tag, E.coli

Cat.NO.: TP01323

3th Edition

Synonyms:BEN domain-containing protein 6, bA203B9.1, C6orf65

Description: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. Recombinant human BEND6 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol, 0.1M NaCl

Molecular Weight:33.6kDa (302aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSMQKIVQTDEITNTQAFRKGKRKRTETMDSENANSMDKGGQRPYSGNAFL
PGESSSEDEEPLAELSKEELCAKIKSLKEKLTNTRKENSRLRQSLVMLQVLPQAVTQFEELVGMAEALLKGGGTMS
TSASTLWRATNNSSPDSFASTCSNSNSNSSSPVSLKPPEEEHQTDEKQFQIEKWQIARCNKSKPQKFINDLMQVLYT
NEYMATHSLTGAKSSTSRDKAVKPA MNQNEVQEIIIGVTKQLFPNTDDVSIRRMIGQKLNNCTKKPNLSKNLNSQDIK

Purity:> 95% by HPLC

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

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.