
Product Data Sheet

Product Name: BEND6 Human
 Cat. No.: GP22870
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	BEN Domain Containing 6; C6orf65; Chromosome 6 Open Reading Frame 65; bA203B9.1; BEN Domain-Containing Protein 6; BEND6.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMQKIVQT DEITNTQAFR KGKRKRTETM DSENANSMDM KGQRDPYSGN AFLPGESSSE DEEPLAELSK EELCAKIKSL KEKLTNTRKE NSRLRQSLVM LQVLPQAVTQ FEELVGMAEA LLKGGGTMTST SASTLWRATN NSSPDSFAST CSNSNSNSSS PVSLKPEEEH QTDEKQFQIE KWQIARCNKs KPQKFINDLM QVLYTNEYMA THSLTGAKSS TSRDKAVKPA MNQNEVQEII GVTKQLFPNT DDVSIRRMIG QKLNNCTKKP NLSKNLNSQD IK.		
Formulation	BEND6 protein solution (1mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 0.1M NaCl.		

Introduction

BEN domain-containing protein 6 (BEND6) is a neural BEN-solo factor which shares many functional attributes with Drosophila Insensitive, a co-repressor for the Drosophila CSL factor. The BEND6 protein binds the mammalian CSL protein CBF1 and antagonizes Notch-dependent target activation. Furthermore, its association with Notch- and CBF1-regulated enhancers is stimulated by CBF1 and antagonized by activated Notch. In utero electroporation experiments demonstrated that ectopic BEND6 impeded Notch-mediated self-renewal of neocortical neural stem cells and promoted neurogenesis.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

Caution: Product has not been fully validated for medical applications. For research use only.

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BEND6 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 302 amino acids (1-279 a.a) and having a molecular mass of 33.6kDa. BEND6 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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