Product Data Sheet

Product Name:	CTBP1 Human
Cat. No.:	GP23270
Batch No.:	1

Product Data

Purity	>98%	Source	Escherichia Coli.
Phycical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	EC 1.1.1; BARS; MGC104684; CTBP1; C-terminal-binding protein 1; CTBP.		
Amino Acid Sequence	MGSSHLLNKG LPLGVRPPIM NGPLHPRPLV ALLDGRDCTV EMPILKDVAT VAFCDAQSTQ EIHEKVLNEA VGALMYHTIT LTREDLEKFK ALRIIVRIGS GFDNIDIKSA GDLGIAVCNV PAASVEETAD STLCHILNLY RRATWLHQAL REGTRVQSVE QIREVASGAA RIRGETLGII GLGRVGQAVA LRAKAFGFNV LFYDPYLSDG VERALGLQRV STLQDLLFHS DCVTLHCGLN EHNHHLINDF TVKQMRQGAF LVNTARGGLV DEKALAQALK EGRIRGAALD VHESEPFSFS QGPLKDAPNL ICTPHAAWYS EQASIEMREE AAREIRRAIT GRIPDSLKNC VNKDHLTAAT HWASMDPAVV HPELNGAAYR YPPGVVGVAP TGIPAAVEGI VPSAMSLSHG LPPVAHPPHA PSPGQTVKPE ADRDHASDQL.		
Formulation	The CTBP1 protein solution contains 20mM Tris-HCl, pH-8, 100mM NaCl and 10% glycerol.		

Introduction

CTBP1 participates in controlling the equilibrium between tubular and stacked structures in the Golgi complex. CTBP1 functions in brown adipose tissue differentiation. CTBP1 has dehydrogenase activity. CTBP1 binds to the C-terminus of adenovirus E1A proteins. CTBP1 phosphoprotein is a transcriptional repressor and that takes part during cellular proliferation. CTBP1 & CTBP2 can dimerize and interact with a polycomb group protein complex which is involved in regulation of gene expression during development.

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.

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

CTBP1 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 440 amino acids (1-440 a.a.) and having a molecular mass of 47.5kDa.CTBP1 is purified by proprietary chromatographic techniques.

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