Datasheet for ABIN1095544

CNTF Protein (AA 4-196, partial) (His tag)

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Overview

Quantity:	100 µg
Target:	CNTF
Protein Characteristics:	AA 4-196, partial
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CNTF protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	TEHSPLTPHR RDLCSRSIWL ARKIRSDLTA LTESYVKHQG LNKNINLDSA DGMPVASTDQ WSELTEAERL QENLQAYRTF HVLLARLLED QQVHFTPTEG DFHQAIHTLL LQVAAFAYQI EELMILLEYK IPRNEADGMP INVGDGGLFE KKLWGLKVLQ ELSQWTVRSI HDLRFISSHQ TGIPARGSHY IAN
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalien cells or by baculovirus infection. Be aware about differences in price and lead time.
Purity:	90 %

Target Details

Target:	CNTF
Alternative Name:	Ciliary neurotrophic factor protein (CNTF Products)

Target Details

Background:	CNTF is a survival factor for various neuronal cell types. Seems to prevent the degeneration of motor axons after axotomy.
Molecular Weight:	26.2 kD
UniProt:	P26441
Pathways:	JAK-STAT Signaling

Application Details

Comment:	The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modificated such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Concentration:	0.2-2 mg/mL
Buffer:	Tris-based buffer, 50 % glycerol
Handling Advice:	Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week
Storage:	-20 °C
Storage Comment:	Store at -20 °C for extended storage, conserve at -20 °C or -80 °C

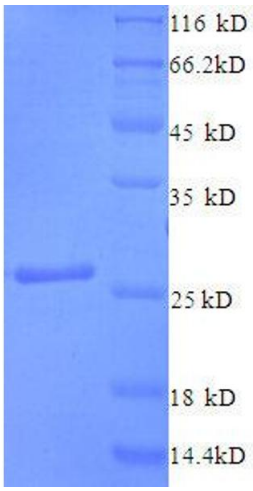
Publications

Product cited in:	Yakirevich, Naot: "Cloning of a glucose phosphate isomerase/neuroleukin-like sperm antigen involved in sperm agglutination." in: **Biology of reproduction**, Vol. 62, Issue 4, pp. 1016-23, (

Publications

2000) (PubMed).

Images



SDS-PAGE

Image 1. Ciliary Neurotrophic Factor (CNTF) (AA 4-196), (partial) protein (His tag)