Datasheet for ABIN5854746

CNTF Receptor alpha Protein (AA 23-342) (His tag)

1 Image

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Overview

Quantity:	50 µg
Target:	CNTF Receptor alpha (CNTFR)
Protein Characteristics:	AA 23-342
Origin:	Rat
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CNTF Receptor alpha protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	QKHSPQEAPH VQYERLGTDV TLPCGTASWD AAVTWRVNGT DLAPDLLNGS QLILRSLELG HSGLYACFHR DSWHLRHQVL LHVGLPPREP VLSCRSNTYP KGFYCSWHLS APTYIPNTFN VTVLHGSKMM VCEKDPALKN RCHIRYMHLF STIKYKVSIS VSNALGHNTT AITFDEFTIV KPDPPENVVA RPVPSNPRRL EVTWQTPSTW PDPESFPLKF FLRYRPLILD QWQHVELSNG TAHTITDAYA GKEYIIQVAA KDNEIGTWSD WSVAAHATPW TEEPRHLTTE AQAPETTTST TSSLAPPPTT KICDPGELSS LEHHHHHH
Purity:	> 90 % by SDS - PAGE
Endotoxin Level:	< 1.0 EU per 1 microgram of protein (determined by LAL method)

Target Details

Target:	CNTF Receptor alpha (CNTFR)

Target Details

Alternative Name:	Cntfr (CNTFR Products)
Background:	Cntfr, also known as ciliary neurotrophic factor receptor subunit alpha, is a member of the type 1 cytokine receptor family. It mediates the biological action of CNTF. CNTF is a polypeptide hormone that supports the survival of neurons of the peripheral sensory, sympathetic, and ciliary ganglia at various stages in their development. CNTFR and its cognate ligand support the survival of neurons. The CNTF receptor complex is most closely related to, and shares subunits with the receptor complexes for interleukin-6 and leukemia inhibitory factor. The specificity conferring alpha subunit of the CNTF complex (CNTFR alpha), is extremely well conserved across species, and has a distribution localized predominantly to the nervous system and skeletal muscle. Recombinant rat Cntfr, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Molecular Weight:	36.9kDa (328aa) 40-57KDa (SDS-PAGE under reducing conditions.)
NCBI Accession:	NP_001003929
UniProt:	Q08406
Pathways:	JAK-STAT Signaling, Feeding Behaviour

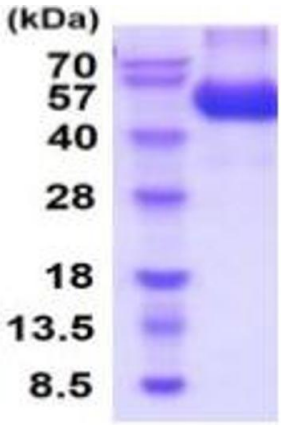
Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10 % glycerol.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	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.

Images



15% SDS-PAGE (3ug)

SDS-PAGE

Image 1.