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Datasheet for ABIN7534348
CNTF Receptor alpha Protein (His tag)

Overview

Quantity:	100 µg
Target:	CNTF Receptor alpha (CNTFR)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CNTF Receptor alpha protein is labelled with His tag.

Product Details

Purpose:	Active Recombinant Human CNTFR-alpha Protein
Sequence:	QRHSPQEAPH VQYERLGSDV TLPCGTANWD AAVTWRVNGT DLAPDLLNGS QLVLHGLELG HSGLYACFHR DSWHLRHQVL LHVGLPPREP VLSCRSNTYP KGFYCSWHLP TPTYIPNTFN VTVLHGSKIM VCEKDPALKN RCHIRYMHLEF STIKYKVSIS VSNALGHNAT AITFDEFTIV KPDPPENVVA RVPSPNPRRL EVTWQTPSTW PDPEFPLKF FLRYRPLILD QWQHVELSDG TAHTITDAYA GKEYIIQVAA KDNEIGTWSW WSVAAHATPW TEEPRHLTTE AQAAETTTST TSSLAPPPTT KICDPGELGS GGGP
Specificity:	Gln23-Pro346
Purity:	> 95 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.1 EU/µg of the protein by LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human CNTFR

Product Details

at 3 µg/mL (100 µL/well) can bind Recombinant Human CNTF with a linear range of 0.078-6.3 µg/mL.

Target Details

Target:	CNTF Receptor alpha (CNTFR)
Alternative Name:	CNTFR-alpha (CNTFR Products)
Background:	<p>Description: CNTF is a member of the cytokine family. It is a polypeptide hormone that have functions in promoting neurotransmitter synthesis and neurite outgrowth in certain neuronal populations. It's actions appear to be restricted to the nervous system. Ciliary neurotrophic factor (CNTF) has biological effects through the activation of a multi- subunit receptor complex, consisting of an extracellular CNTF binding subunit (CNTFα) and two transmembrane signal transduction proteins: glycoprotein gp130 and LIF receptor. CNTF is considered as a potent survival factor of neurons and oligodendrocyteands may be relevant in reducing tissue destruction during inflammatory attacks. CNTF also is a survival factor for neurons of the peripheral sensory sympathetic and ciliary ganglia.</p> <p>Name: CNTFR</p>
Gene ID:	1271
UniProt:	P26992
Pathways:	JAK-STAT Signaling , Feeding Behaviour

Application Details

Restrictions: For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid votex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C

Handling

Storage Comment: Store the lyophilized protein at -20°C to -80 °C for long term.
After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.