

Datasheet for ABIN7596347

CNTF Receptor alpha Protein (AA 23-342) (His tag)[Go to Product page](#)

Overview

Quantity:	250 µg
Target:	CNTF Receptor alpha (CNTFR)
Protein Characteristics:	AA 23-342
Origin:	Human
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:	ADPQRHSPQE APHVQYERLG SDVTLPCGTA NWDAAVTWRV NGTDLAPDLL NGSQVLHGL ELGHSGLYAC FHRDSWHLRH QVLLHVGLPP REVLSCRSN TYPKGFYCSW HLPTPTYIPN TFNVTVLHGS KIMVCEKDP A LKNRCHIRYM HLFSTIKYKV SISVSNALGH NATAITFDEF TIVKPDPPEN VVARPVPSNP RRLEVTWQTP STWPDPEF LKFFLRYPRL ILQWQHVEL SDGTAHTITD AYAGKEYIIQ VAAKDNEIGT WSDWSVAAHA TPWTEEPRL TTEAQAATT TSTTSSLAPP PTTKICDPGE LGSHHHHHH
Purity:	> 95% by SDS-PAGE
Endotoxin Level:	< 1 EU per 1 µg of protein (determined by LAL method)

Target Details

Target:	CNTF Receptor alpha (CNTFR)
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Target Details

Alternative Name:	CNTRF alpha (CNTRF Products)
Background:	CNTRF, also known as ciliary neurotrophic factor receptor subunit alpha preproprotein, is expressed in glial cells within the central and peripheral nervous systems. It stimulates gene expression, cell survival or differentiation in a variety of neuronal cell types such as sensory, sympathetic, ciliary and motor neurons. This protein has a structure unrelated to the receptors utilized by the nerve growth factor family of neurotrophic molecules, but instead is most homologous to the receptor for a cytokine, interleukin-6. Also, it possesses an unusual attachment to the cell membrane through a glycoposphatidylinositol linkage. It activates downstream signaling molecules such as STAT-3 in areas of the hypothalamus which regulate food intake. Recombinant human CNTRF, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques
Molecular Weight:	36.9 kDa (329aa)
NCBI Accession:	NP_001833
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:	1 mg/mL
Storage:	4 °C, -20 °C, -80 °C
Storage Comment:	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.