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CNTF Receptor alpha Protein (His tag)



Image



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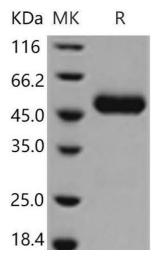
Target:

Quantity:	100 μg	
Target:	CNTF Receptor alpha (CNTFR)	
Origin:	Rat	
Source:	Baculovirus infected Insect Cells	
Protein Type:	Recombinant	
Biological Activity:	Active	
Purification tag / Conjugate:	This CNTF Receptor alpha protein is labelled with His tag.	
Product Details		
Purpose:	Recombinant Rat CNTFR/CNTFR-alpha Protein (His Tag)(Active)	
Sequence:	Met 1-Pro 346	
Characteristics:	A DNA sequence encoding the rat CNTFR (Q08406-1) (Met 1-Pro 346) was fused with a C-terminal polyhistidine tag.	
Purity:	> 97 % as determined by SDS-PAGE	
Endotoxin Level:	$<$ 1.0 EU per μg of the protein as determined by the LAL method	
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized Rat CTNFR at 10 μ g/ml (100 μ l/well) can bind biotinylated human CNTF with a linear ranger of 1.28-160 ng/ml.	
Target Details		

CNTF Receptor alpha (CNTFR)

Target Details

Target Details		
Alternative Name:	CNTFR/CNTFR-alpha (CNTFR Products)	
Background:	Background: Ciliary neurotrophic factor(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 extracelluar CNTF binding subunit(CNTFa) and two transmembrane signal transduction proteins: glycoprotein gp130 and LIF receptor.	
	CNTF is considered as a potent survival factor of neurons and oligodendrocytes and may be relevant in reducing tissue destruction during inflammatory attacks. CNTF is also a survival factor for neurons of the peripheral sensory sympathetic, and ciliary ganglia. It has been reported that CNTF could be an agent that has therapeutic potential and possibly induces differentiation of large multipolar ganglionic phenotype in a subset of progenitors. Synonym: Cntfr	
Molecular Weight:	39.6 kDa	
Pathways:	JAK-STAT Signaling, Feeding Behaviour	
Application Details		
Restrictions:	For Research Use only	
Handling		
Format:	Lyophilized	
Reconstitution:	Please refer to the printed manual for detailed information.	
Buffer:	Lyophilized from sterile 20 mM Tris, 500 mM NaCl, 10 % glycerol, pH 8.0	
Storage:	4 °C,-20 °C,-80 °C	
orage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to - Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconsamples are stable at < -20°C for 3 months.		



Western Blotting

Image 1.