
Product Data Sheet

Product Name: CNTFR Rat
 Cat. No.: GP20142
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Ciliary neurotrophic factor receptor subunit alpha; CNTF receptor subunit alpha; CNTFR-alpha.		
Amino Acid Sequence	QKHSPQEAPH VQYERLGTDV TLPCGTASWD AAVTWRVNGT DLAPDLLNGSQLILRSLELG HSGLYACFHR DSWHLRHQVL LHVGLPPREP VLSCRSNTYP KGFYCSWHLS APTYIPNTFNVTVLHGSKMM VCEKDPALKN RCHIRYMHLF STIKYKVSIS VSNALGHNTT AITFDEFTIVKPDPPENVVA RPVPSNPRRLEVTWQTPSTW PDPEFPLKF FLRYRPLILD QWQHVELSNG TAHTITDAYA GKEYIIQVAA KDNEIGTWSW WSVAAHATPWTEEPRLHTE AQAPETTTST TSSLAPPTT KICDPGELSS LEHHHHHH.		
Formulation	CNTFR protein solution (0.5mg/ml) containing Phosphate Buffered Saline (pH 7.4) and 10% glycerol.		

Introduction

Ciliary Neurotrophic Factor Receptor, also known as CNTFR is a member of the type I cytokine receptor family. CNTFR binds to CNTF. The alpha subunit provides the receptor specificity. Sole nucleotide polymorphisms in CNTFR has been associated with variations in muscle strength, in addition to early onset of eating disorders.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

CNTFR Rat Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 328 amino acids (23-342a.a) and having a molecular mass

Caution: Product has not been fully validated for medical applications. For research use only.

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of 36.9kDa (Molecular size on SDS-PAGE will appear at approximately 40-57kDa).CNTFR is fused to an 8 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques.

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