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## Product Data Sheet

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Product Name: CTNFR Human, Sf9  
 Cat. No.: GP20141  
 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; CNTF Receptor Subunit Alpha; CNTFR-Alpha; Ciliary Neurotrophic Factor Receptor Subunit Alpha.		
Amino Acid Sequence	ADPQRHSPQE APHVQYERLG SDVTLPCGTA NWDAAVTWRV NGTDLAPDLL NGSQVLVHGL ELGHSGLYAC FHRDSWHLRH QVLLHVGLPPREPVLSRCSN TYPKGFYCSW HLPTPTYIPN TFNVTVLHGS KIMVCEKDPA LKNRCHIRYM HLFSTIKYKV SISVSNALGH NATAITFDEF TIVKPDPPEN VVARPVPSNP RRLEVTWQTP STWPDPESEFP LKFFLRYPRL ILDQWQHVEL SDGTAHTITD AYAGKEYIIQ VAAKDNEIGTWSWVAAHA TPWTEEPRHL TTEAQAAETT TSTTSSLAPP PTTKICDPGE LGSHHHHHH.		
Formulation	CTNFR protein solution (1mg/ml) contains 10% glycerol & Phosphate Buffered Saline (pH 7.4).		

### Introduction

Ciliary Neurotrophic Factor Receptor (CNTFR) is a member of the type I cytokine receptor family and 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

CTNFR produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 329 amino acids (23-342a.a.) and having a molecular mass of 36.9kDa.

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

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(Molecular size on SDS-PAGE will appear at approximately 40-57kDa).CTNFR is expressed with a 9 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

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