

Product datasheet for PH300487

CNTF Receptor alpha (CNTFR) (NM_147164) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CNTFR MS Standard C13 and N15-labeled recombinant protein (NP_671693)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200487
Predicted MW:	40.6 kDa
Protein Sequence:	>RC200487 protein sequence Red=Cloning site Green=Tags(s) MAAPVPWACCAVLAAAAVVYAQRHSPQEAPHVQYERLGSDVTLPCGTANWDAAVTWRVNGTDLAPDLLN GSQVLVHGLELGHSGLYACFHRDSWHLRHQVLLHVGLPPREPVLSCRSTYPKGFYCSWHLPTPTYIPNT FNVTVLHGSKIMVCEKDPALKNRCHIRYMHFSTIKYKVISVSNALGHNATAITFDEFTIVKPDPPENV VARPVSPNRRLEVTWQTPSTWPDPEFPLKFFLRYPRLILDQWQHVELSDGTAHTITDAYAGKEYIIQV AAKDNEIGTWSWVAHAHATPWTEEPRLTTEAQAETTTSTTSSLAPPPTTKICDPGELGSGGGPSAPF LVSVPITLALAAAAATASLLI TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_671693
RefSeq Size:	2070
RefSeq ORF:	1116
Locus ID:	1271
UniProt ID:	P26992



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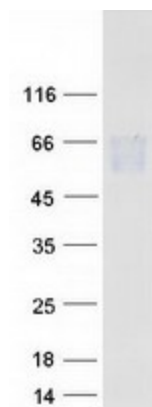
Cytogenetics: 9p13.3

Summary: This gene encodes a member of the type 1 cytokine receptor family. The encoded protein is the ligand-specific component of a tripartite receptor for ciliary neurotrophic factor, which plays a critical role in neuronal cell survival, differentiation and gene expression. Binding of ciliary neurotrophic factor to the encoded protein recruits the transmembrane components of the receptor, gp130 and leukemia inhibitory factor receptor, facilitating signal transduction. Single nucleotide polymorphisms in this gene may be associated with variations in muscle strength, as well as early onset of eating disorders. Alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, May 2011]

Protein Families: Druggable Genome

Protein Pathways: Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway

Product images:



Coomassie blue staining of purified CNTFR protein (Cat# [TP300487]). The protein was produced from HEK293T cells transfected with CNTFR cDNA clone (Cat# [RC200487]) using MegaTran 2.0 (Cat# [TT210002]).