



Recombinant Dog Ciliary neurotrophic factor receptor subunit alpha (CNTFR)

Product Code	CSB-BP754637DO
Abbreviation	CNTFR
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q71DR4
Product Type	Recombinant Protein
Immunogen Species	Canis lupus familiaris (Dog) (Canis familiaris)
Purity	>85% (SDS-PAGE)
Sequence	QRHSPQEA PHVQYERLGS DVTLP CGTAN WDAAVTWRVN GTDLALDLLN GSQVLVHGLE LGHSGLYACF HRDSWHLRHQ VLLHVGLPPR EPVLS CRSNT YPKG FYCSWH LPTPTYIPNT FNVTVLHGSK IMVCEKDPAL KNRCHIRYMH LFSTIKYKVS ISVSNALGHN ATAITFDEFT IVKPDPPENV VARPVPSNPR RLEVTWQTPS TWPDPESFPL KFFLR YRPLI LDQWQHVELS DGTTHITIDA YAGKEYIIQV AAKDYEIGTW SDWSVA AHAT PWTEEP RHLT TEAQAPETTT STTSSLAPPP TTKICDPGEL GS
Source	Baculovirus
Target Names	CNTFR
Protein Names	Recommended name: Ciliary neurotrophic factor receptor subunit alpha Short name= CNTF receptor subunit alpha Short name= CNTFR-alpha
Expression Region	23-342
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This gene encodes a hematopoietin/interferon-class receptor belonging to the cytokine superfamily of receptors. The encoded gene product represents the CNTF-specific alpha subunit of a heterotrimer forming the CNTF receptor complex, which also includes LIFR and gp130. The receptor is attached to the membrane by a glycosyl-phosphatidylinositol linkage and contains an immunoglobulin-like C2-type domain and a fibronectin type-III domain. Signal transduction requires that CNTF bind first to this alpha component, which permits the recruitment of gp130 and LIFR beta to form the tripartite receptor complex. Signal transduction stimulates gene expression, cell survival or differentiation in a variety of neuronal cell types. Alternative splicing has been observed at this locus and two variants, both encoding the same protein, have



been identified.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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