



# Recombinant Rat Ciliary neurotrophic factor receptor subunit alpha (Cntfr)

<b>Product Code</b>	CSB-EP600859RA-B
<b>Abbreviation</b>	Cntfr
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q08406
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	QKHSPQEA PHVQYERLGT DVTLP CGTAS WDAAVTW RVN GTDLAPDLLN GSQLILRSLE LGHSGLYACF HRDSWHLRHQ VLLHVGLPPR EPVLSCRSNT YPKG FYCSWH LSAPTYIPNT FNVTVLHGSK MMVCEKDPAL KNRCHIRYMH LFSTIKYKVS ISVSNALGHN TTAITFDEFT IVKPDPPENV VARPVPSNPR RLEVTWQTPS TWPDPESFPL KFFLR YRPLI LDQWQHVELS NGTAHTITDA YAGKEYIIQV AAKDNEIGTW SDWSVA AHAT PWTEEP RHLT TEAQAPETTT STTSSLAPPP TTKICDPGEL SS
<b>Source</b>	E.coli
<b>Target Names</b>	Cntfr
<b>Protein Names</b>	Recommended name: Ciliary neurotrophic factor receptor subunit alpha Short name= CNTF receptor subunit alpha Short name= CNTFR-alpha
<b>Expression Region</b>	23-342
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	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.

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**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.

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**Shelf Life**

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