

Recombinant Rat Cntfr protein(Met1-Pro346), His-tagged

Cat. No. Cntfr-4084R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat CNTFR (Q08406-1) (Met 1-Pro 346) was expressed in Insect Cells, fused with a C-terminal polyhistidine tag.
Species	Rat
Source	Insect Cells
ProteinLength	1-346 a.a.
Form	Lyophilized from sterile 20mM Tris, 500mM NaCl, 10% gly, pH 8.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized Rat CTNFR at 10 µg/ml (100 µl/well) can bind biotinylated human CNTF with a linear range of 1.28-160 ng/ml.
Molecular Mass	The recombinant rat CNTFR comprises 356 amino acids with a predicted molecular mass of 39.6 kDa. It migrates as an approximately 48 kDa band in reduced SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 97 % as determined by SDS-PAGE

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Storage Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name [Cntfr ciliary neurotrophic factor receptor \[Rattus norvegicus \]](#)

Official Symbol [Cntfr](#)

Synonyms CNTFR; ciliary neurotrophic factor receptor; ciliary neurotrophic factor receptor subunit alpha; CNTFR alpha; CNTFR-alpha; CNTF receptor subunit alpha; ciliary neurotrophic factor receptor alpha;

Gene ID [313173](#)

mRNA Refseq [NM_001003929](#)

Protein Refseq [NP_001003929](#)

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