

Rat CTF1 Recombinant Protein



RPPB0142

Product Information Protein Information

Product SKU:

RPPB0142

Accession:

Q63086

Host:

Escherichia Coli.

Protein description:

Cardiotrophin-1 Rat Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 203 amino acids and having a molecular mass of 21.4kDa. The CTF1 Rat is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Cardiotrophin-1, CT-1, Ctf1.

Formulation:

Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.

Purity:

Greater than 95.0% as determined by SDS-PAGE and HPLC analyses.

Solubility:

It is recommended to reconstitute the lyophilized CTF1 in sterile 4mM HCl not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized Cardiotrophin-1 Rat although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CTF1 Rat should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.

Amino Acid Sequence:

MSQREGSLED HQTDSFSFL PHLEAKIRQT HNLARLLTKY ADQLLEEVQ QQGEPFGLPG FSPRLPLAG
LSGPAPSHAG LPVSELRQD AAALSALPAL LDAVRRRQAE LNPRAPRLLR SLEDAARQVR ALGAAVETVL
AALGAAARGP VPEPVATSAL FTSNSAAGVF SAKVLGLHVC GLYGEWVSRT EGDGQLVPG GVA.

Biological Activity:

The ED50 as determined by the dose-dependent proliferation of TF-1 cells was found to be < 0.5ng/ml, corresponding to a specific activity of > 2.0×10⁶ units/mg.