

Mouse CTF2P Recombinant Protein



RPPB0143

Product Information Protein Information

Product SKU:

RPPB0143

Accession:

P83714

Host:

Escherichia Coli.

Protein description:

Neuropoietin Mouse Recombinant produced in E.Coli is a non-glycosylated polypeptide chain containing 182 amino acids and having a molecular mass of approximately 19.7kDa. CTF2P is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Cardiotrophin-2, CT-2, Neuropoietin, Np, Ctf2, Gm494.

Formulation:

Lyophilized from a 0.2µm filtered concentrated solution in 20mM Tris-HCl, pH 8.0, 0.5mM DTT and 500mM NaCl.

Purity:

Greater than 98.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

Solubility:

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

Stability:

Lyophilized CTF2P although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Neuropoietin 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:

APISPSEPIG QAYSLALYMQ KNTSALLQTY LQHQQSPFSD PGFSAPELQL STLPAAVSF KTWHAMEDAE
RLSRAQGAFI ALTQHLQLVG DDQSYLNPGS PILLAQLGAA RLRAQGLLGN MAAIMTALGL PIPPEEDTLG
FVPFGASAFE RKCRGYIVTR EYGHWTDRV RDLALLKAKY SA.

Biological Activity:

The ED50 as determined by a cell proliferation assay using human TF-1 cells is < 200 ng/ml, corresponding to a specific activity of > 5000 IU/mg.