

## 32-6325: CTF2P Mouse

**Application :** Functional Assay

**Alternative Name :** Cardiotrophin-2, CT-2, Neuropoietin, Np, Ctf2, Gm494.

### Description

Source: Escherichia Coli.

Sterile Filtered White lyophilized (freeze-dried) powder.

CTF2P, aka Neuropoietin is a part of the IL-6 family of cytokines. CTF2P is the outcome of a gene duplication event involving cardiotrophin-1 (CT-1) and it helps to define a subfamily within the IL-6 family that includes CT-1, CLC and CTNF. CTF2P Increases the platelet count associated with splenomegaly and takes part in neuronal precursor development and maturation. 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.

### Product Info

**Amount :** 50 µg / 100 µg

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

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

**Content :** 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.

**Storage condition :** 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 :** APISPSEPIG QAYSLALYMQ KNTSALLQTY LQHQGSPFSD PGFSAPELQL STLPAAVSF  
KTWHAMEDAE RLSRAQGAFL ALTQHLQLVG DDQSYLNPGS PILLAQLGAA RLRAQGLLGN  
MAAIMTALGL PIPPEEDTLG FVPFGASAFE RKCRGYIVTR EYGHWTDRV RDLALLKAKY SA.

### Application Note

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.