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## Product Data Sheet

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Product Name: CTF2P Mouse  
 Cat. No.: GP26011  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	atRoomtemp.
Synonyms	Cardiotrophin-2, CT-2, Neuropoietin, Np, Ctf2, Gm494.		
Amino Acid Sequence	APISPSEPIG QAYSLALYMQ KNTSALLQTY LQHQGSPFSD PGFSAPELQL STLPSAAVSF KTWHAMEDAE RLSRAQGAFL ALTQHLQLVG DDQSYLNPGS PILLAQLGAA RLRAQGLLGN MAAIMTALGL PIPPEEDTLG FVPFGASAFE RKCRGYIVTR EYGHWTDRAV RDLALLKAKY SA.		
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.		
Formulation	Lyophilized from a 0.2µm filtered concentrated solution in 20mM Tris-HCl, pH 8.0, 0.5mM DTT and 500mM NaCl.		

### Introduction

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.

### 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.

### 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

**Caution: Product has not been fully validated for medical applications. For research use only.**

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between 2-7 days and for future use below  $-18^{\circ}\text{C}$ . Please prevent freeze-thaw cycles.

### Background

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.

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