9051 Mira Mesa Blvd, #910094
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Tel: 760-390-3989

G CSF Mouse

Granulocyte-Colony Stimulating Factor Mouse Recombinant
GRF0113

Product Overview

Name	G CSF Mouse
Description	
Granulocyte-Colony Stimulating Factor Mouse Recombinant	
Accession (Primary)	P09920
Synonyms	
CSF3, MGI-1G, GM-CSF beta, Pluripoietin, G-CSF, GCSF.	
Introduction	
Granulocyte Colony Stimulating Factor is a growth factor and/or cytokine produced by the endothelium, macrophages and a number of other immune cells. GCSF stimulates the bone marrow to produce granulocytes and also to stimulate the survival, proliferation, differentiation and function of neutrophil granulocyte progenator cells and mature neutrophils.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
G-CSF Lyophilized from 10mM NaCitrate, pH 4.0 and 150mM NaCl.	
Stability	
Lyophilized Granulocyte Colony Stimulating Factor although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution GCSF should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.	
Purity	
Greater than 98.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.	
Amino acid sequence	
VPLVTVSAL PPSLPLPRSF LLKSLEQVRK IQASGSVLLE QLCATYKLCH PEELVLLGHS LGIPKASLSG CSSQALQQTQ CLSQLHSGLC LYQGLLQALS GISPALAPTL DLLQLDVANF ATTIWQQMEN LGVAPTVQPT QSAMPAFTSA FQRRAGGVLA ISYLQGFLET ARLALHHLA.	
Biological Activity	

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The ED 50 as determined by a cell proliferation assay using murine NFS-60 cells is < 0.05 ng/ml, corresponding to a Specific Activity of 2 x 10 7 IU/mg.

Solubility

It is recommended to reconstitute the lyophilized Granulocyte Colony Stimulating Factor in sterile 18MΩ-cm H2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

G CSF Mouse is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P09920)