



Granulocyte Colony Stimulating Factor, His Tag, human recombinant (rHuG-CSF-His)

Catalog No: 95008
Lot No: XXXXX
Source: *E. coli*
Synonyms: CSF-3, MGI-1G, GM-CSF beta, Pluripoietin, Filgrastim, Lenograstim, G-CSF, MGC45931, GCSF

Background

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 progenitor cells and mature neutrophils.

Description

Granulocyte Colony Stimulating Factor-His Tag human recombinant produced in *E. coli* is a single, non-glycosylated, polypeptide chain containing 174 amino acids (31-204) and having a molecular mass of 23.19 kDa with an N-terminal hexahistidine tag. G-CSF-His is purified by proprietary chromatographic techniques.

Physical Appearance

Sterile filtered clear solution.

Formulation

Granulocyte Colony Stimulating Factor His is supplied in 1x PBS and 50% glycerol.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store frozen at -20°C for longer periods of time. Please avoid freeze thaw cycles.

Purity

Greater than 95.0% as determined by (a) Analysis by RP-HPLC, (b) Analysis by SDS-PAGE.

Usage

This product is offered by Biomol for research purposes only. Not for diagnostic purposes or human use. It may not be resold or used to manufacture commercial products without written approval of Biomol GmbH.