



## Product Datasheet

<b>Product Name</b>	Granulocyte-Colony Stimulating Factor Human Recombinant, His Tag
<b>Cata No</b>	CB500378
<b>Source</b>	<i>Escherichia Coli.</i>
<b>Synonyms</b>	CSF-3, MGI-1G, GM-CSF beta, Pluripoietin, Filgrastim, Lenograstim, G-CSF, MGC45931, GCSF.

### Description

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.

Granulocyte Colony Stimulating Factor-His Tag Human Recombinant produced in E.coli is a single, non-glycosylated, polypeptide chain containing 174 amino acids, fragment (31-204) and having a molecular mass of 18.8 KD with an amino-terminal hexahistidine tag.

G-CSF-His is purified by proprietary chromatographic techniques.

### Physical Appearance

Sterile Filtered clear solution

### Purity

Greater than 95.0% as determined by:

Analysis by RP-HPLC.

Analysis by SDS-PAGE

### 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.**