

## Granulocyte-Colony Stimulating Factor Pegylated Human Recombinant

<b>Item Number</b>	rAP-2134
<b>Synonyms</b>	CSF-3, MGI-1G, GM-CSF beta, Pluripoietin, Filgrastim, Lenograstim, G-CSF, MGC45931, GCSF.
<b>Description</b>	Granulocyte Colony Stimulating Factor Human Recombinant produced in E.coli is a single, non-glycosylated, polypeptide chain containing 175 amino acids and having a molecular mass of 18.8kDa. The Pegylated&nbsp;G-CSF is produced by attaching a 20kDa methoxypolyethylene glycol propionaldehyde
<b>Uniprot Accesion Number</b>	P09919
<b>Amino Acid Sequence</b>	
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	Colorless, clear and transparent solution. G-CSF PEG should be stored refrigerated at 2° to 8°C. Vials should be kept in their packaging to protect from light until the time of use. Shaking and freezing should be avoided.
<b>Formulation and Purity</b>	G-CSF is supplied in solution (0.69mg/ml) containing 10mM Acetate Buffer (pH 4.0), and 0.004% Polysorbate 80. Greater than 95.0% as determined by SEC-HPLC.
<b>Application</b>	
<b>Solubility</b>	
<b>Biological Activity</b>	The ED50, calculated by the dose-dependent proliferation of murine NFS-60 indicator cells is less than 0.1 ng/ml, corresponding to a Specific Activity of 10,000,000IU/mg.
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**