

Granulocyte-Colony Stimulating Factor Human Recombinant, HEK

Item Number	rAP-2136
Synonyms	CSF-3, MGI-1G, GM-CSF beta, Pluripoietin, Filgrastim, Lenograstim, G-CSF, MGC45931, GCSF.
Description	G-CSF Human Recombinant produced in HEK cells is a glycosylated monomer, having a molecular weight range of 21-25kDa due to glycosylation. The G-CSF is purified by proprietary chromatographic techniques.
Uniprot Accession Number	P09919
Amino Acid Sequence	
Source	HEK.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized G-CSF although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution G-CSF 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.
Formulation and Purity	The G-CSF was lyophilized from 1mg/ml in 1xPBS. Greater than 95% as observed by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized G-CSF in sterile 1xPBS containing 0.1% endotoxin-free recombinant HSA.
Biological Activity	The specific activity was determined by the dose-dependent stimulation of the proliferation of murine M-NFS-60 cells (Mouse Myeloid Leukemia indicator cell line), the ED50 is $\leq 0.1\text{ng/ml}$.
Shipping Format and Condition	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**