


## Recombinant Human G-CSF

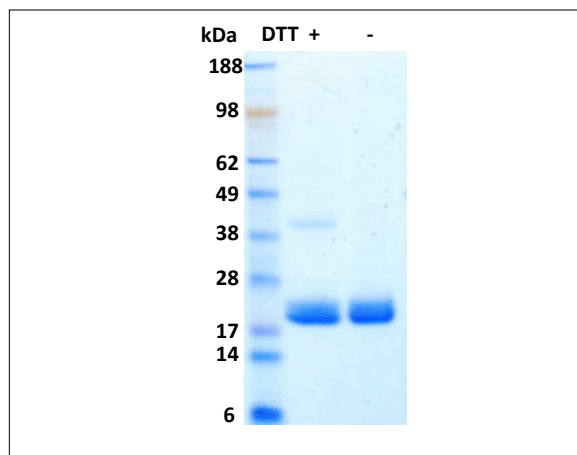
## G-CSF HumaXpress

### Product Description

- Endotoxin-free\*
- Animal-derived product free
- Available in Bulk
- High Potency for Hematopoietic Cell Growth
- Authentic Glycosylation

Xeno-free G-CSF<sup>HuXP</sup> is expressed in human 293 cells as a monomeric glycoprotein with an apparent molecular mass of 21 to 25 kDa. This molecular mass is due to glycosylation, which is absent when this cytokine is expressed in *E. coli*. Glycosylation contributes to stability in cell growth media and other applications. This cytokine is produced in a serum-free, chemically defined media. The purity is greater than 95%.

 All HumaXpress® HumanKine™ cytokines are animal-component-free and Xeno-free™



### Typical Specifications

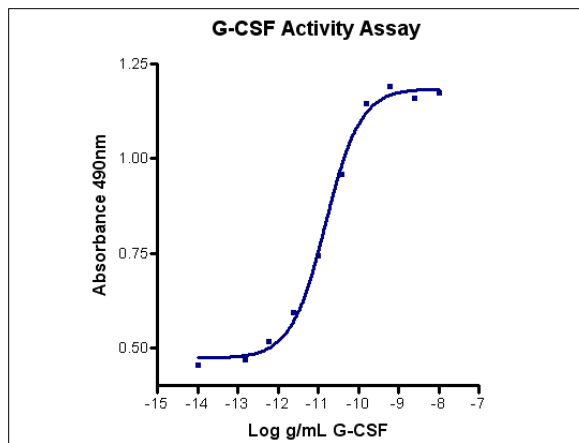
<b>Species</b>	Human
<b>Expression</b>	Human Cell Expressed
<b>Activity</b>	0.02 to 0.08 ng/mL ED50
<b>Purity</b>	>95%
<b>Endotoxin</b>	Endotoxin-free*
<b>Molecular Mass</b>	21 to 25 kDa, monomer, glycosylated

### Purity Confirmation

The protein was resolved by SDS-polyacrylamide gel electrophoresis and the gel was stained with Coomassie blue.

### Activity Assay

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).



\* Endotoxin-free ... <1 EU/μg  
All HumanKine™ cytokines are expressed in the HumaXpress® human cell expression system and intrinsically have low endotoxin levels.

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