

Datasheet: PHP082B

Description:	RECOMBINANT HUMAN G-CSF
Name:	G-CSF
Format:	Rec. Protein
Product Type:	Recombinant Protein
Quantity:	10 µg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Functional Assays	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	Purified recombinant protein - lyophilized
Reconstitution	Reconstitute with 100 ul distilled water. Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution.
Preparation	Purified recombinant protein expressed in <i>E.Coli</i>
Source	E.coli
Buffer Solution	Lyophilised from 5mM Sodium Citrate pH4.0
Preservative Stabilisers	None present
Carrier Free	Yes
Endotoxin Level	< 0.1 ng/ug

Approx. Protein Concentrations 0.1 mg/ml after reconstitution

External Database Links

UniProt:
[P09919](#) [Related reagents](#)

Entrez Gene:
[1440](#) CSF3 [Related reagents](#)

Synonyms C17orf33, GCSF

Product Information **Recombinant Human G-CSF** is purified E.coli expressed recombinant human granulocyte colony stimulating factor (G-CSF). Granulocyte CSF is produced by monocytes and fibroblasts. It stimulates granulocyte colony formation, activates neutrophils and differentiates certain myeloid leukemic cells. Human and Murine G-CSF share approximately 75% amino acid sequence homology and have biological cross-reactivity.

Protein Molecular Weight 18.7kDa (174 amino acid residues)

Activity 1 x 10⁷ units/mg

Purity >98% by SDS PAGE and HPLC analysis

Storage Prior to reconstitution store at -20°C. Following reconstitution store at -20°C.

This product should be stored undiluted.

Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the protein. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee Guaranteed for 3 months from the date of reconstitution or until the date of expiry, whichever comes first. Please see label for expiry date.

Health And Safety Information Material Safety Datasheet documentation #10527 available at:
<https://www.bio-rad-antibodies.com/SDS/PHP082B10527>

Regulatory For research purposes only

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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