

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 - lyophilised
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>
Buffer Solution	Lyophilised from 5mM Sodium Citrate pH4.0
Preservative Stabilisers	None present
Endotoxin Level	<0.1ng/ug
Approx. Protein Concentrations	0.1 mg/ml
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 10 ⁷ units/mg
Purity	>98% by SDS PAGE and HPLC analysis
Storage	Prior to reconstitution store at +4°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.
Shelf Life	3 months from date of reconstitution.
Health And Safety Information	Material Safety Datasheet documentation #10175 available at: 10175: https://www.bio-rad-antibodies.com/uploads/MSDS/10175.pdf
Regulatory	For research purposes only

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