

Product Datasheet

Recombinant Human GM-CSF Protein NBP1-46058-2ug

Unit Size: 2 ug

Store at -80C. Avoid freeze-thaw cycles.

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Updated 2/5/2017 v.20.1

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NBP1-46058-2ug

Recombinant Human GM-CSF Protein

Product Information	
Unit Size	2 ug
Concentration	Lyoph
Storage	Store at -80C. Avoid freeze-thaw cycles.
Reconstitution Instructions	Reconstitute with 0.5 ml sterilized PBS. After reconstitution the buffer solution will contain 1% human serum albumin and 10% trehalose already present in the vial.
Target Molecular Weight	16 kDa
Product Description	
Description	A biologically active protein to CSF2.
Gene ID	1437
Gene Symbol	CSF2
Species	Human
Reactivity Notes	This is a Human protein
Specificity/Sensitivity	GM-CSFB contains N-linked and possibly O-linked oligosaccharides. GM-CSFB migrates as a broad band between 15 and 30 kDa in SDS-PAGE due to post-translation modifications, in particular glycosylation. This compares with unmodified GM-CSF that has a predicted molecular mass of 14.5 kDa.
Preparation Method	A DNA sequence encoding the human GM-CSF protein sequence (containing the signal peptide sequence, and the mature GM-CSF sequence) was expressed in modified human 293 cells.
Details of Functionality	The ED50 of GM-CSFB is typically 0.02 - 0.2 ng/ml as measured in a cell proliferation assay using the human growth factor-dependent TF-1 cell line.
Product Application Details	
Applications	Western Blot, Functional, Block/Neutralize
Recommended Dilutions	Western Blot, Functional, Block/Neutralize
Application Notes	This protein is functionally active and can be used for Blocking and Neutralizing. GM-CSFB separates into a number of isoforms with a pI between 3.5 and 5.7 in 2D PAGE due to post-translational modifications, in particular glycosylation. This compares with the unmodified GM-CSF that has a predicted pI of 5.21.



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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 2 years from date of receipt.

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