

Product Datasheet

Recombinant Mouse M-CSF Protein NBP2-35165-2ug

Unit Size: 2ug

Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.

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NBP2-35165-2ug**Recombinant Mouse M-CSF Protein**

Product Information	
Unit Size	2ug
Concentration	Lyoph
Storage	Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.
Preservative	No Preservative
Reconstitution Instructions	Recommended to centrifuge prior to opening. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0mg/mL.
Purity	>95%, by SDS-PAGE and HPLC
Buffer	Lyophilized from a 0.2 um filtered solution in 20 mM Tris, 500 mM NaCl, pH 7.4.
Target Molecular Weight	52 (homodimer) kDa

Product Description	
Description	<p>A disulfide-linked homodimer consisting of two 230 amino acid polypeptide chains corresponding to M-CSF Source: <i>E. coli</i></p> <p>Uniprot ID: Q3U4F9</p> <p>Amino Acid Sequence: KEVSEHCSHM IGNGHLKVLQ QLIDSQMETS CQIAFEFVDQ EQLDDPVCYL KKAFFLVQDI IDETMRFKDN TPNANATERL QELSNLNSC FTKDYEEQNK ACVRTFHETP LQLEKIKNF FNETKNLLEK DWNIFTKNCN NSFAKCSSRD VVTKPDCNCL YPKATPSSDP ASASPHQPPA PSMAPLAGLA WDDSQRTEGS SLLPSELPLR IEDPGSAKQR PPRSTCQTLE</p>
Gene ID	1435
Gene Symbol	CSF1
Species	Mouse
Details of Functionality	MCSF Protein is fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using murine M-NFS-60 cells is less than 2 ng/ml, corresponding to a specific activity of $> 5.0 \times 10^5$ IU/mg.
Endotoxin Note	Less than 1 EU/ug of M-CSF as determined by LAL method.

Product Application Details	
Applications	SDS-Page, Bioactivity
Recommended Dilutions	SDS-Page, Bioactivity

Publications

Huang L, Xu R, Li W et al. Repolarization of macrophages to improve sorafenib sensitivity for combination cancer therapy Acta biomaterialia 2023-03-16 [PMID: 36931417] (BA, Mouse)

Cao S, Saw PE, Shen Q Et al. Reduction-responsive RNAi nanoplatfrom to reprogram tumor lipid metabolism and repolarize macrophage for combination pancreatic cancer therapy Biomaterials 2021-11-19 [PMID: 34823884] (Cell Culture)

Li Y, Dong M, Wang Q et al. HIMF deletion ameliorates acute myocardial ischemic injury by promoting macrophage transformation to reparative subtype Basic research in cardiology 2021-04-23 [PMID: 33893593] (Mouse)





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