

Product datasheet

Recombinant mouse M-CSF protein (Active) ab243173

Description

Product name	Recombinant mouse M-CSF protein (Active)
Biological activity	Fully biologically active when compared to standard. The ED ₅₀ 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 x 10 ⁵ IU/mg.
Purity	> 95 % SDS-PAGE. >95% HPLC.
Endotoxin level	< 1.000 Eu/μg
Expression system	Escherichia coli
Accession	P07141
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Mouse
Sequence	KEVSEHCSHM IGNGHLKVLQ QLIDSQMETS CQIAFEFVDQ EQLDDPVCYL KKAFFLVQDI IDETMRFKDN TPNANATERL QELSNNLNSC FTKDYEEQNK ACVRTFHETP LQLEKIKNF FNETKNLLEK DWNIFTKNCN NSFAKCSSRD VVTKPDCNCL YPKATPSSDP ASASPHQPPA PSMAPLAGLA WDDSQRTEGS SLLPSELPLR IEDPGSAKQR PPRSTCQTLE
Predicted molecular weight	52 kDa
Amino acids	33 to 262

Specifications

Our [Abpromise guarantee](#) covers the use of **ab243173** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
	Functional Studies
	HPLC

Form	Lyophilized
Additional notes	Endotoxin level determined by the LAL method.

Preparation and Storage

Stability and Storage	<p>Shipped at 4°C. Store at -20°C or -80°C. Avoid freeze / thaw cycle.</p> <p>Constituents: 0.24% Tris, 2.9% Sodium chloride</p> <p>0.2 µm filtered.</p> <p>This product is an active protein and may elicit a biological response in vivo, handle with caution.</p>
Reconstitution	<p>Briefly centrifuge prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at -20 °C or below. Further dilutions should be made in appropriate buffered solutions.</p>

General Info

Function	Granulocyte/macrophage colony-stimulating factors are cytokines that act in hematopoiesis by controlling the production, differentiation, and function of 2 related white cell populations of the blood, the granulocytes and the monocytes-macrophages. CSF-1 induces cells of the monocyte/macrophage lineage. It plays a role in immunological defenses, bone metabolism, lipoproteins clearance, fertility and pregnancy.
Post-translational modifications	Glycosylation and proteolytic cleavage yield different soluble forms. A high molecular weight soluble form is a proteoglycan containing chondroitin sulfate. Isoform 1 is N- and O-glycosylated. Isoform 3 is N-glycosylated.
Cellular localization	Cell membrane and Secreted > extracellular space.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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