

Product Datasheet

Recombinant Rat M-CSF Animal-Free Protein NBP2-76303-10ug

Unit Size: 10 ug

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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NBP2-76303-10ug**Recombinant Rat M-CSF Animal-Free Protein**

| Product Information | |
|------------------------------------|--|
| Unit Size | 10 ug |
| 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 | Sterile water at 0.1 mg/mL |
| Purity | >95%, by SDS-PAGE |
| Buffer | Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate, pH 7.5 |
| Target Molecular Weight | 36.2 kDa |
| Product Description | |
| Description | <p>An un-tagged bioactive recombinant protein corresponding to Rat M-CSF</p> <p>Source: <i>E. coli</i></p> <p>Amino Acid Sequence: MEVSEHCSHM IGNGHLQILQ QLIDSQMETA CLIEYKFVDQ EQLDDPVCYL KKAFLVLVQVI IEETMRFKDN TPNANATERL QELSMKLNCS FIKDYKEQNE ACVQTYKESP LRLLEKIKNF FNETKNFLEK DWNIFSKNCN DSLAKCSSRD VVTKP</p> <p>Produced with no materials of animal or human origin using ANIMAL-FREE purification processes.</p> <p>Production and Purification</p> <ul style="list-style-type: none"> No animal-derived ingredients, No FBS <i>E. coli</i> based production system Animal-Free facility, fermentor, columns, filters, labware, lyophilization, and storage <p>Quality Assurance</p> <ul style="list-style-type: none"> Endotoxin levels at <1 EUs/ug Purity levels at 95% or greater |
| Gene ID | 1435 |
| Gene Symbol | CSF1 |
| Species | Rat |
| Specificity/Sensitivity | M-CSF is a dimer, 18.1/36.2 kDa (155/210 aa) |
| Preparation Method | Protein is derived from genetically modified <i>E. coli</i> . |
| Details of Functionality | NFS-60 cell proliferation, >1.0 x 10 ⁵ units/mg (ED50 acceptance criteria are <10 ng/mL). |



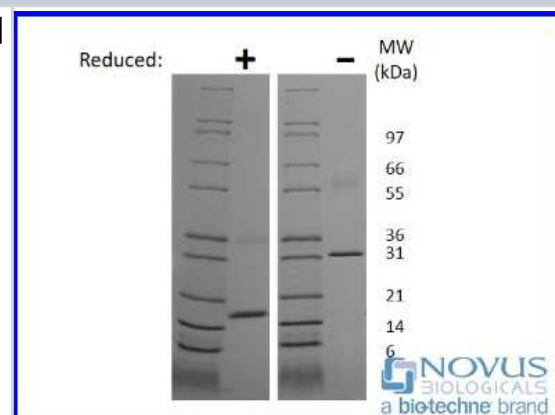
| | |
|-----------------------|--|
| Notes | <p>Lot Specific Information: Given endotoxin and ED50 values are acceptance criteria standards. For lot specific values, please contact technical support.</p> <p>Detailed Reconstitution: Centrifuge vial before opening. Suspend the product by gently pipetting the recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots.</p> <p>Expiration Date: 12 months from date of receipt when stored at -20C to -80C as supplied. 1 month when stored at 4C after reconstituting as directed. 3 months when stored at -20C to -80C after reconstituting as directed.</p> |
| Endotoxin Note | Acceptance criteria for endotoxin levels are <1 EUs/ug protein (determined by Kinetic LAL Method). |

Product Application Details

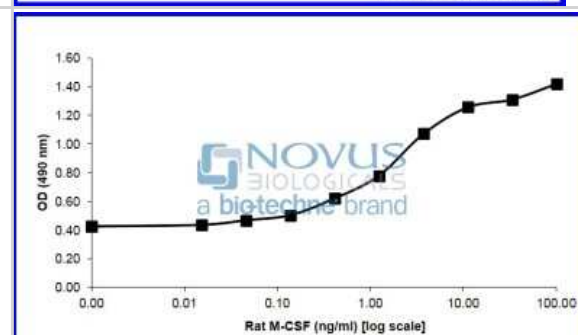
| | |
|------------------------------|-----------------------|
| Applications | SDS-Page, Bioactivity |
| Recommended Dilutions | SDS-Page, Bioactivity |

Images

SDS-Page: Recombinant Rat M-CSF Animal-Free Protein [NBP2-76303]
- 1 ug in each lane (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel.



Bioactivity: Recombinant Rat M-CSF Animal-Free Protein [NBP2-76303]
- M-CSF induced proliferation of NFS-60 cells.





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