

For Research Use Only

Recombinant Rat M-CSF protein (rFc Tag)



Catalog Number: Eg3414

Basic Information

Species:
Rat

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/ μ g protein, LAL method

Source:

HEK293-derived Rat M-CSF protein Glu33-Pro186 (Accession# Q8JZQ0-1) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

78965

Accession:

Q8JZQ0-1

Predicted Molecular Mass:

44.3 kDa

SDS-PAGE:

46-65 kDa, reducing (R) conditions

Formulation:

Lyophilized from 0.22 μ m filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

M-CSF, also called colony-stimulating factor-1 or CSF-1, is a haematopoietic growth factor, which controls survival, proliferation, differentiation and function of mononuclear phagocytes. It also plays a role in bone metabolism, fertility, pregnancy and inflammatory processes. M-CSF may be expressed on the surface of the cell as a membrane-spanning glycoprotein or secreted into circumstance. M-CSF was identified as an 84-kDa homodimeric glycoprotein found in healthy human urine, and is present in the peripheral blood and urine. M-CSF serum levels were elevated in pre-transplant haemodialysis patients, so it might be a specific marker of Kidney Allograft Rejection.

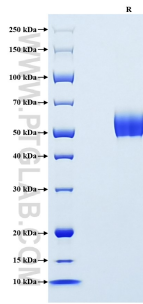
References

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2. B R Witt, et al. (1997). Fertil Steril. 68(2): 259-264.
3. Anna Popova, et al. (2010). Immunobiology. 216(1-2):164-172.
4. K Motoyoshi, et al. (1998). Int J Hematol.67(2):109-122.
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6. Yannick Le Meur, et al. (2004). Nephrol Dial Transplant.19(7):1862-1865.

Synonyms

Csf1 , CSF-1 , mcsf

Selected Validation Data



Purity of Recombinant Rat M-CSF was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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