

Recombinant Human MCSF protein (His Tag)

Catalog Number: Eg1018

Basic Information

Species:
Human**Purity:**
>90 %, SDS-PAGE**Tag:**
His Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<1.0 EU/ µg protein, LAL method

Source:

HEK293-derived Human MCSF protein Glu33-Arg255 (Accession# P09603-1) with a His tag at the C-terminus.

GeneID:

1435

Accession:

P09603-1

Predicted Molecular Mass:

26.2 kDa

SDS-PAGE:**Formulation:**

Lyophilized from sterile 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

1. Pollard, J W et al. Nature vol. 330,6147 (1987): 484-6.
2. Witt, B R, and J W Pollard. Fertility and sterility vol. 68,2 (1997): 259-64.
3. Popova, Anna et al. Immunobiology vol. 216,1-2 (2011): 164-72.
4. Motoyoshi, K. International journal of hematology vol. 67,2 (1998): 109-22.
5. Motoyoshi, K et al. Blood vol. 52,5 (1978): 1012-20.
6. Le Meur, Yannick et al. Nephrology, dialysis, transplantation : official publication of the European Dialysis and Tr

Synonyms

M-CSF, CSF 1, CSF1, CSF-1, Lanimostim

Selected Validation Data

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

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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.