

CSF-1/M-CSF recombinant protein

Recombinant Rat CSF-1/M-CSF Protein

CATALOG #
AAA283352

HOST
HEK293 cells

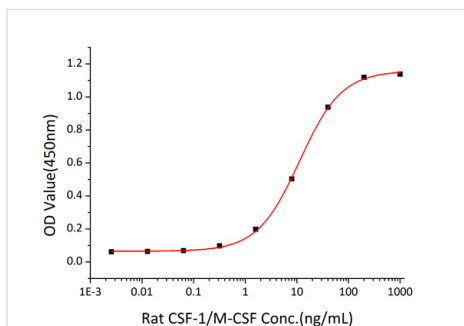
PRODUCT SYNONYMS

CSF-1/M-CSF; Recombinant Rat CSF-1/M-CSF Protein; Macrophage colony-stimulating factor 1; CSF-1; MCSF; Proteoglycan macrophage colony-stimulating factor; PG-M-CSF; Cleaved into: Processed macrophage colony-stimulating factor 1; Macrophage colony-stimulating factor 1 43 kDa subunit; Csf1; Csfm; CSF-1/M-CSF recombinant protein

PRODUCT SPECIFICATIONS

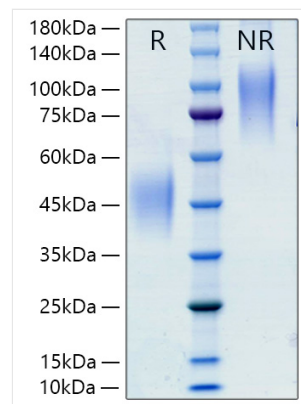
Host	HEK293 cells
Form/Format	Lyophilized from a 0.22 um filtered solution of PBS, pH7.4.
Sequence	PSSTWMGSRLLVCLLVSRSAEVSEHCSHMIGNHGLQLQLIDSQMETACLIEYKFVDQEQLDDPVCYLKKAFLVLVQV IIEETMRFKD NTPNANATERLQELSMKLNSCFIKDYKEQN EACVQTYKESPLRLLEKIKNFFNETKNFLEKDNWIFSKNCNDSFAKCSSRDVVTKPCDNC LYPKATPSSDLASASPHQPPAPSMAPLADLAWDDSQRTGSSLLPSDLPLRIEDPGSAKQRPFRS
Species	Rat
Tag	C-His
Endotoxin	<0.1EU/ug of the protein by LAL method.
Bio-Activity	Measured in a cell proliferation assay using M-NFS-60 mouse myelogenous leukemia lymphoblast cells. The ED ₅₀ for this effect is 5.63-22.51ng/mL, corresponding to a specific activity of $4.44 \times 10^4 \sim 1.78 \times 10^5$ units/mg.
Preparation and Storage	Store at -20 degree C. Store the lyophilized protein at -20 degree C to -80 degree C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20 degree C for 3 months, at 2-8 degree C for up to 1 week.

IMAGES



Application Data

Recombinant Rat CSF-1/M-CSF stimulates cell proliferation assay using M-NFS-60 mouse myelogenous leukemia lymphoblast cells. The ED₅₀ for this effect is 5.63-22.51 ng/mL, corresponding to a specific activity of $4.44 \times 10^4 \sim 1.78 \times 10^5$ units/mg.



SDS-PAGE

Recombinant Rat CSF-1/M-CSF Protein was resolved with SDS PAGE under reducing (R) and non-reducing (NR) conditions, showing single bands at 40-55 kDa and 75-110 kDa, respectively.

ADDITIONAL INFORMATION

Related Product Information for CSF-1/M-CSF recombinant protein	Macrophage colony-stimulating factor (M-CSF), also known as colony-stimulating factor-1 (CSF-1), is a hemopoietic growth factor that regulates the survival, proliferation, differentiation and function of the cells of the mononuclear phagocyte lineage. M-CSF is produced by a variety of cell types and acts both locally and humorally in an autocrine and paracrine manner. Through differential mRNA splicing and posttranslational proteolytic processing and modification, M-CSF is expressed in three biologically-active isoforms: a secreted glycoprotein; a secreted proteoglycan; and a membrane spanning cell-surface glycoprotein.
Product Categories/Family for CSF-1/M-CSF recombinant protein	Cytokines & Cytokine receptors ; Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	28201782
NCBI GeneID	78965
UniProt Accession #	Q8JZQ0
UniProt Protein Name	Macrophage colony-stimulating factor 1
UniProt Gene Name	Csf1
UniProt Synonym Gene Names	Csfm; CSF-1; MCSF
UniProt Entry Name	CSF1_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/csf1-recombinant-protein-hek293-cells/283352>