

M-CSF (CSF1) Active Protein | M-CSF active protein

Recombinant Human M-CSF (CSF1)

CATALOG #
AAA214245

HOST
E Coli

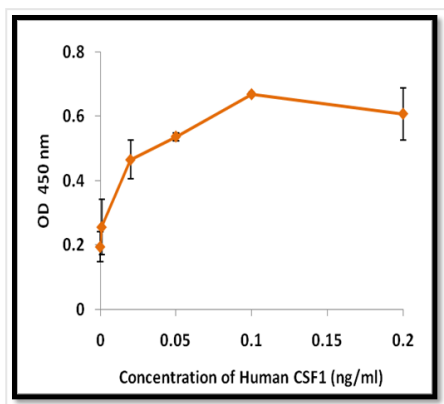
PRODUCT SYNONYMS

M-CSF (CSF1); Recombinant Human M-CSF (CSF1); Macrophage colony-stimulating factor 1; CSF-1; M-CSF; MCSF; Lanimostim; Recombinant Human Macrophage Colony Stimulating Factor (CSF1); M-CSF active protein

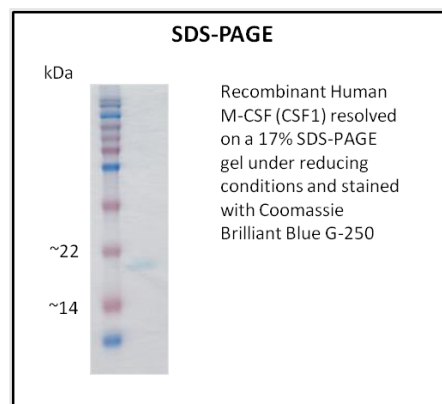
PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>95% as determined by SDS-PAGE
Form/Format	Lyophilized from a 0.2 um filtered solution in Tris and NaCl (pH 7.5)
Sequence Length	554
Bioactivity	The ED50 as determined by the dose-dependent stimulation of the proliferation of M-NFS-60 cells was found to be < 1.0 ng/mL
Endotoxin Level	<1.0 EU/ug of recombinant protein as determined by the LAL method
Reconstitution	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Preparation and Storage	The lyophilized protein is stable for at least one year from date of receipt at -70 degree C. Upon reconstitution, this cytokine can be stored in working aliquots at 2-8 degree C for one month, or at -20 degree C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for M-CSF active protein	M-CSF is produced by monocytes, granulocytes, endothelial cells, and fibroblasts. After cell activation, B cells and T cells and also a number of tumor cell lines are capable also of synthesizing this factor. M-CSF has been found to be synthesized by uterine epithelial cells in vivo. The M-CSF receptor is identical with the proto-oncogene fms. It has been renamed CD115. The receptor is a transmembrane protein with an extracellular ligand-binding domain of 512 amino acids, an intramembrane domain of 25 amino acids, and a cytoplasmic domain of 435 amino acids encoding a tyrosine kinase. Human M-CSF is active in mouse and rat cells. The murine factor is active in rat cells but inactive in human cells. M-CSF is a specific factor in that the proliferation inducing activity is more or less restricted to the macrophage lineage. M-CSF is a potent stimulator of functional activities of monocytes.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	181135
NCBI GeneID	1435
UniProt Accession #	P09603
Molecular Weight	18.5 kDa
NCBI Official Full Name	colony-stimulating factor (CSF-1)
NCBI Official Synonym Full Names	colony stimulating factor 1
NCBI Official Symbol	CSF1
NCBI Official Synonym Symbols	MCSF; CSF-1
NCBI Protein Information	macrophage colony-stimulating factor 1
UniProt Protein Name	Macrophage colony-stimulating factor 1
UniProt Gene Name	CSF1
UniProt Synonym Gene Names	CSF-1; M-CSF; MCSF
UniProt Entry Name	CSF1_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/e-coli-active-protein/m-csf-csf1/214245>