

## Macrophage Colony Stimulating Factor Human Recombinant, Sf9

<b>Item Number</b>	rAP-2138
<b>Synonyms</b>	Macrophage colony-stimulating factor 1, CSF-1, M-CSF, MCSF, Lanimostim. &nbsp;
<b>Description</b>	MCSF produced in Sf9 Insect cells is a single, glycosylated polypeptide chain containing 231 amino acids (33-255 a.a.) and having a molecular mass of 26.1kDa (Molecular size on SDS-PAGE will appear at approximately 28-40kDa).MCSF is expressed with an 8 amino acid His tag at C-Terminus and purified by
<b>Uniprot Accesion Number</b>	P09603
<b>Amino Acid Sequence</b>	EEVSEYCSHM IGSGHLQSLQ RLIDSQMETS CQITFEFVDQ EQLKDPVCYL KKAFLLVQDI MEDTMRFRDN TPNAIAIVQL QELSLRLKSC FTKDYEEHDK ACVRTFYETP LQLEKVKNV FNETKNLLDK DWNIFSKNCN NSFAECSSQD VVTKPDCNCL YPKAIPSSDP ASVSPHQPLA PSMA- PVAGLT WEDSEGTEGS SLLPGEQPLH TVDPGSAKQR PPRLEHHHHH H.
<b>Source</b>	Sf9, Insect cells.
<b>Physical Appearance and Stability</b>	Sterile filtered colorless solution. Store at 4&deg;C if entire vial will be used within 2-4 weeks. Store, frozen at -20&deg;C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
<b>Formulation and Purity</b>	MCSF protein solution (0.25mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol. Greater than 95.0% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	
<b>Biological Activity</b>	Measured in a cell proliferation assay using M-NFS-60 mouse myelogenous leukemia lymphoblast cell. The ED50 for this effect is less or equal to 3 ng/ml.
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**