

Macrophage Colony Stimulating Factor Rat Recombinant HEK

Item Number	rAP-2135
Synonyms	CSF-1, Lanimostim, MCSF, MGC31930, M-CSF.
Description	MCSF Rat Recombinant produced in HEK-293 cells is a secreted protein (amino acids Glu33-Arg254). M-CSF is disulfide-linked homodimer containing 2 x 222 a.a chains.
Uniprot Accession Number	Q8JZQ0
Amino Acid Sequence	
Source	HEK293
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized MCSF although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution MCSF should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Formulation and Purity	The recombinant MCSF was lyophilized after extensive dialysis against PBS. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the MCSF in sterile PBS not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The ED50 of 3-4ng/ml is measured by its ability to stimulate the proliferation of mouse M-NFS-60 cells.
Shipping Format and Condition	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**