Recombinant Protein Technical Manual

Recombinant Human M-CSF/CSF1 Protein (His Tag)(Active)

RPES4377

Product Data:

Product SKU: RPES4377

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: P09603

Protein Information:

Molecular Mass:	26.2 kDa
AP Molecular Mass:	41 kDa
Tag:	C-6His
Bio-activity:	Measured in a cell proliferation assay using M-NFS-60 mouse myelogenous leukemia lymphoblast cells. The ED50 for this effect is 1.86ng/mL.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin:	< 1.0 EU per µg as determined by the LAL method.
Storage:	Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping:	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation:	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.
Reconstitution:	Please refer to the printed manual for detailed information.
Application:	Cell Culture
Synonyms:	Macrophage Colony-Stimulating Factor 1; CSF; M-CSF; MCSF; Lanimostim; CSF1;SCF

Immunogen Information:

Sequence: Glu33-Arg255

Background:

Macrophage Colony-Stimulating Factors (m-csf) are cytokines that act in hematopoiesis by controlling the production, differentiation, and function of 2 related white cell populations of the blood, the granulocytes and themonocytes-macrophages. CSF promotes the release of proinflammatory chemokines, and thereby plays an important role in innate immunity and in inflammatory processes. It also plays an important role in the regulation of osteoclast proliferation and differentiation, the regulation of bone resorption, and is required for normal bone development. CSF is required for normal male and female fertility and promotes reorganization of the actin cytoskeleton, regulates formation of membrane ruffles, cell adhesion and cell migration. it also plays a role in lipoprotein clearance.