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Product Datasheet

Recombinant Rat M-CSF EBT-EPT130

Article Name	Recombinant Rat M-CSF
Biozol Catalog Number	EBT-EPT130
Supplier Catalog Number	EPT130
Alternative Catalog Number	EBT-EPT130-10
Manufacturer	ELK Biotechnology
Category	Proteine/Peptide
Product Description	Recombinant Rat Macrophage Colony-stimulating Factor 1 is produced by our Mammalian expression system and the target gene encoding Glu33-Arg254 is expressed....
Molecular Weight	Molecular weight: 25.2 KDa. Apparent molecular weight: 46 KDa, reducing conditions
UniProt	Q8JZQ0
Purity	Greater than 95% as determined by reducing SDS-PAGE.

Application Notes

Redissolve: Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μ g/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.. Endotoxin: Less than 0.1 ng/ μ g (1 EU/ μ g) as determined by LAL test. Background: Rat Macrophage colony-stimulating factor 1(MCSF,CSF1) is a single-pass type I membrane cytokine. It is a hematopoietic growth factor that plays an essential role in the regulation of survival, proliferation and differentiation of hematopoietic precursor cells, especially mononuclear phagocytes, such as macrophages and monocytes. MCSF promotes the release of proinflammatory chemokines, and thereby plays an important role in innate immunity and in inflammatory processes. It is involved in the regulation of osteoclast proliferation and differentiation, the regulation of bone resorption, and is required for normal bone development which for normal male and female fertility. It promotes reorganization of the actin cytoskeleton, regulates formation of membrane ruffles, cell adhesion and cell migration. MCSF also plays a role in lipoprotein clearance