

Recombinant mouse Macrophage colony-stimulating factor 1

Catalog No: #AP71988

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Package Size: #AP71988-1 20ug #AP71988-2 100ug #AP71988-3 1mg

Description

| | |
|-----------------------|---|
| Product Name | Recombinant mouse Macrophage colony-stimulating factor 1 |
| Brief Description | Recombinant Protein |
| Host Species | E.coli |
| Purification | Greater than 90% as determined by SDS-PAGE. |
| Immunogen Description | Expression Region:33-262Sequence Info:Partial |
| Accession No. | P07141 |
| Uniprot | P07141 |
| GeneID | 12977; |
| Calculated MW | 30 kDa |
| Tag Info | N-terminal 6xHis-tagged |
| Target Sequence | KEVSEHCSHMIGNHGLKVLQQLIDSQMETSCQIAFEFVDQEQLDDPVCYLKKAFFLVQDIIDETMRFKDNTPNANATERLQELSNLNSCFCTKDYEEQNKACVRTFHETPLQLLEKIKNFFNETKNLLEKDOWNIFTKNCNNSFAKCSSRDVVTKPCDNCLYPKATPSSDPASASPHQPPAPSMAPLAGLAWDDSQRTEGSSLLPSELPLRIEDPGSAKQRPPRSTCQTLE |
| Formulation | Tris-based buffer50% glycerol |
| Storage | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |

Background

Cytokine 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. Promotes the release of proinflammatory cytokines, and thereby plays an important role in innate immunity and in inflammatory processes. Plays an important role in the regulation of osteoclast proliferation and differentiation, the regulation of bone resorption, and is required for normal bone development. Required for normal male and female fertility. Promotes reorganization of the actin cytoskeleton, regulates formation of membrane ruffles, cell adhesion and cell migration. Plays a role in lipoprotein clearance.

References

Structure of macrophage colony stimulating factor bound to FMS diverse signaling assemblies of class III receptor tyrosine kinases.Chen X., Liu H., Focia P.J., Shim A.H., He X.Proc. Natl. Acad. Sci. U.S.A. 105:18267-18272(2008)Research Topic:Others

Note: This product is for in vitro research use only