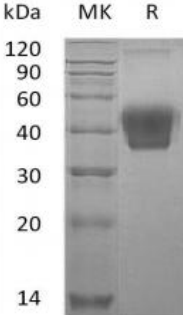


## Recombinant Mouse M-CSF (C-6His)

Catalog#:AC13146 Derived from Human Cells

<b>DESCRIPTION</b>	<p>Recombinant Mouse Macrophage Colony-stimulating Factor 1 is produced by our Mammalian expression system and the target gene encoding Lys33-Glu262 is expressed with a 6His tag at the C-terminus.</p> <p>Accession#:P07141</p> <p>Known as: Macrophage colony-stimulating factor 1; CSF-1; MCSF; Csf1; Csfm</p>
<b>FORMULATION</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4
<b>SHIPPING</b>	<p>The product is shipped at ambient temperature.</p> <p>Upon receipt, store it immediately at the temperature listed below.</p>
<b>STORAGE</b>	<p>Lyophilized protein should be stored at &lt; -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at &lt; -20°C for 3 months.</p>
<b>RECONSTITUTION</b>	<p><i>Always centrifuge tubes before opening. Do not mix by vortex or pipetting.</i></p> <p><i>It is not recommended to reconstitute to a concentration less than 100µg/ml.</i></p> <p>Dissolve the lyophilized protein in distilled water.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
<b>QUALITY CONTROL</b>	<p>Mol Mass: 27kDa AP Mol Mass: 37-56kDa, reducing conditions.</p> <p>Purity: Greater than 95% as determined by reducing SDS-PAGE.</p> <p>Endotoxin: Less than 0.1 ng/µg (1 EU/µg) as determined by LAL test.</p>
<b>BACKGROUND</b>	<p>Macrophage colony-stimulating factor 1 ( M-csf ) is a single-pass type I membrane protein . It is a hematopoietic growth factor that is involved in the proliferation, differentiation, and survival of monocytes, macrophages, and bone marrow progenitor cells. M-CSF affects macrophages and monocytes in several ways, including stimulating increased phagocytic and chemotactic activity, and increased tumour cell cytotoxicity. The role of M-CSF is not only restricted to the monocyte/macrophage cell lineage. By interacting with its membrane receptor, M-CSF also modulates the proliferation of earlier hematopoietic progenitors and influence numerous physiological processes involved in immunology, metabolism, fertility and pregnancy.</p>
<b>SDS-PAGE</b>	 <p>kDa MK R</p> <p>120</p> <p>90</p> <p>60</p> <p>40</p> <p>30</p> <p>20</p> <p>14</p>