

Recombinant Human IL-3 (C-6His)

Catalog#:AC13184 Derived from Human Cells

DESCRIPTION	<p>Recombinant Human Interleukin-3 is produced by our Mammalian expression system and the target gene encoding Ala20-Phe152 is expressed with a 6His tag at the C-terminus Accession#: P08700 Known as: Interleukin-3; IL-3; Hematopoietic Growth Factor; Mast Cell Growth Factor; MCGF; Multipotential Colony-Stimulating Factor; P-Cell-Stimulating Factor; IL3</p>
FORMULATION	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
SHIPPING	<p>The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.</p>
STORAGE	<p>Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months</p>
RECONSTITUTION	<p><i>Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml.</i> Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
QUALITY CONTROL	<p>Bioactivity: Measured in a cell proliferation assay using TF- 1 human erythroleukemic cells. The ED50 for this effect is 0.3-1.5 ng/ml. Mol Mass: 16.1kDa AP Mol Mass: 17-30kDa, reducing conditions. Purity: Greater than 95% as determined by reducing SDS-PAGE. Endotoxin: Less than 0.1 ng/µg (1 EU/µg) as determined by LAL test.</p>
BACKGROUND	<p>Interleukin-3 (IL-3) is a potent growth promoting cytokine. IL-3 can stimulate the proliferation and differentiation of pluripotent hematopoietic stem cells as well as various lineage committed progenitors. IL-3 exerts its biological function through binding to specific cell surface receptors. The amino acid sequences of this protein among different species share relatively low identity and its activity is highly species-specific. IL-3 has also been shown to possess neurotrophic activity, and is thought to be associated with neurologic disorders.</p>
<p>SDS-PAGE</p> 	