

Recombinant Human IL-3 (N-6His)

Catalog # EPT177

Expression Host E.coli

DESCRIPTION Recombinant Human Interleukin-3 is produced by our

E.coli expression system and the target gene encoding

Ala20-Phe152 is expressed with a 6His tag at the

N-terminus.

Accession P08700

Synonyms Interleukin-3; IL-3; Hematopoietic Growth Factor; Mast

Cell Growth Factor; MCGF; Multipotential

Colony-Stimulating Factor; P-Cell-Stimulating Factor;

IL3

Mol Mass 16.6 KDa

AP Mol Mass 13-16 KDa, 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.

FORMULATION Lyophilized from a 0.2 µm filtered solution of PBS, pH



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7.4.

RECONSTITUTION

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.

Dissolve the lyophilized protein in distilled water.

Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SHIPPING

The product is shipped at ambient temperature.

Upon receipt, store it immediately at the temperature listed below.

STORAGE

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.

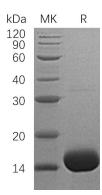
BACKGROUND

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.



SDS-PAGE

