

## Recombinant Murine Interleukin-3 (rm IL-3)

Murine **Interleukin-3** is a pleiotropic cytokine produced primarily by activated T-cells. IL-3 is thought to function via specific cell surface receptors to stimulate the proliferation, differentiation and survival of haematopoietic cell lines. IL-3 has also been shown to affect the functional activity of a variety of other cell types including mast cells, eosinophils, megakaryocytes and basophils. Recombinant murine IL-3 produced in *E.Coli* is a single, non-glycosylated polypeptide chain containing 135 amino acids and having a molecular mass of 15.1 kDa.

<b>Synonyms :</b>	MCGF (Mast cell growth factor), Multi-CSF, HCGF, P-cell stimulation factor
<b>Source:</b>	<i>Escherichia coli</i>
<b>AA Sequence:</b>	The first five N-terminal amino acids was found to be Met-Asp-Thr-His-Arg
<b>Formulation:</b>	Lyophilized from a 0.22 µm filtered carrier free solution in PBS, pH 7.5
<b>Reconstitution:</b>	Reconstitute in sterile endotoxin free water not less than 100 µg/ml
<b>Stability:</b>	The lyophilized protein is stable for at least 2 years at -20°C. Reconstituted rm IL-3 is stable for at least 3 months when stored in concentrated working aliquots (100 ng/µl or higher) at -20°C. Avoid repeated freeze/thaw cycles.
<b>Biological Activity:</b>	Determined by the dose-dependant stimulation of murine M-NFS-60 cells the ED50 is < 0.05 ng/ml.
<b>Purity:</b>	95% (verified by SDS-PAGE / silver stain)
<b>Endotoxicity:</b>	The endotoxin level is less than 0.1 ng per µg (1EU/µg) determined by LAL method
<b>Order N°:</b>	rm IL-3 +Size available sizes: 2 µg, 10 µg, 50 µg

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