

GFR39AF Recombinant Rat IL-3 β (Animal-Free)

Description

Interleukin-3 (IL-3) is a cytokine that is produced by activated T cells and mast cells. IL-3 induces the differentiation of hematopoietic stem cells into myeloid precursor cells, such as erythrocyte, megakaryocyte, granulocyte, monocyte, and dendritic cells. IL-3 also functions in the nervous system and is important during the B-1 cell regulation of chronic inflammatory diseases.

This product is produced with no animal derived raw products. All processing and handling employs animal free equipment and animal free protocols.

Length	144 aa
Molecular Weight	16.3 kDa
Source	E. coli
Accession Number	P04823
Purity	$\geq 95\%$ determined by reducing and non-reducing SDS-PAGE

Specifications

Alternative Names	Interleukin-3, interleukin 3, IL3, IL 3
Biological Activity	Rat IL-3 β (Animal-Free) is fully biologically active when compared to standard. The activity is determined by the proliferation of NFS-60 cells and it is typically less than 10 ng/ml. This corresponds to an expected specific activity higher than 1.0×10^4 units/mg.
Endotoxin Level	≤ 1.00 EU/ μ g as measured by kinetic LAL
Formulation	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)
AA Sequence	MISDRGSDAH HLLRTLDCRT IALEILVKLP YPQVSGLNNS DDKANLRNST LRRVNLDEFL KSQEEFDSQD TTDIKSKLQK LKCCIPAAAS DSVLPGVYNK DLDDFKKKLR FYVIHLKDLQ PVSVSRPPQP TSSSDNFRPM TVEC

Preparation and Storage

Reconstitution	Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water at 0.1 mg/ml, which can be further diluted into other aqueous solutions.
Stability and Storage	12 months from date of receipt when stored at -20°C to -80°C as supplied. 1 month when stored at 4°C after reconstituting as directed. 3 months when stored at -20°C to -80°C after reconstituting as directed.