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Datasheet for ABIN2018105
IL-3 Protein (AA 27-166) (His tag)

Overview

Quantity:	50 µg
Target:	IL-3
Protein Characteristics:	AA 27-166
Origin:	Rat
Source:	CHO Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This IL-3 protein is labelled with His tag.

Product Details

Characteristics:	ED50 < 8 ng/mL, measured in a cell proliferation assay using NF S-60 cells. AA 27-166, expressed with C-terminal 6xHis.
Purity:	> 95 % as analyzed by SDS-PAGE.
Endotoxin Level:	< 0.2 EU/µg, determined by LAL method.

Target Details

Target:	IL-3
Alternative Name:	Interleukin-3 (IL-3) (IL-3 Products)
Background:	Interleukin-3 (IL-3), also known as MCGF, Multi-CSF, HCGF and P-cell stimulation factor, belongs to the alpha-helix family of hematopoietic cytokines. It is produced by activated T-cells, mast cells and natural killer cells. IL-3 binds to the IL-3 receptor alpha subunit and recruits the

Target Details

signal-transducing common beta chain. IL-3-induced signal transduction results in the survival, differentiation and proliferation of a variety of immune cells, such as macrophages, neutrophils, megakaryocytes, mast cells and hematopoietic stem cells. IL-3 often acts synergistically with other cytokines, such as IL-7, EPO, GM-CSF and IL-6, to exert its stimulative function.

Synonyms: MCGF (Mast cell growth factor), Multi-CSF, HCGF, P-cell stimulation factor

Molecular Weight: 22-34 kDa, observed by reducing SDS-PAGE.

UniProt: [P04823](#)

Pathways: [JAK-STAT Signaling](#), [Regulation of Carbohydrate Metabolic Process](#), [Autophagy](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstituted in ddH₂O or PBS at 100 µg/mL.

Buffer: Lyophilized after extensive dialysis against PBS.

Storage: -80 °C

Storage Comment: Lyophilized recombinant rat Interleukin-3 (IL-3), His remains stable up to 6 months at -80 °C from date of receipt. Upon reconstitution, rat Interleukin-3 (IL-3), His should be stable up to 1 week at 4 °C or up to 2 months at -20 °C.

Expiry Date: 6 months