

Overview

Synonyms	MCGF (Mast cell growth factor), Multi-CSF, HCGF, P-cell stimulation factor Interleukin-3 (IL-3) , also known as MCGF, Multi-CSF, HCGF and P-cell stimulation factor, belongs to the α -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 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.
Description	
Accession No	P04823
Species	Rat
Source	CHO
Biological Activity	ED ₅₀ < 8 ng/ml, measured in a cell proliferation assay using NF S-60 cells.
Sequence	ISDRGSDAHH LLRTLDCRTI ALEILVKLPY PQVSGLNNSD DKANLRNSTL RRVNLDEFK SQEEFDSQDT TDIKSKLQKL KCCIPAAASD SVLPGVYNKD LDDFKKKLRF YVIHLKDLQP VSVSRPPQPT SSSDNFRPMT VECHHHHHH

Properties

Measured Molecular Weight	22-34 kDa, observed by reducing SDS-PAGE.
Purity	> 95% as analyzed by SDS-PAGE.
Formulation	Lyophilized after extensive dialysis against PBS.
Reconstitution	Reconstituted in ddH ₂ O or PBS at 100 µg/ml.
Endotoxin Level	< 0.2 EU/µg, determined by LAL method.
Storage	Lyophilized recombinant rat Interleukin-3 (IL-3), His remains stable up to 6 months at lower than -70°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.
Note	For research use only

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