



## Product Datasheet

<b>Product Name</b>	Interleukin-4 Human Recombinant, His Tag
<b>Cata No</b>	CB500385
<b>Source</b>	<i>Escherichia Coli.</i>
<b>Synonyms</b>	BCGF, BCDF, B cell stimulating factor, BSF-1, Lymphocyte stimulatory factor 1, IL-4, MGC79402, Binetrakin, Pitrakinra

### Description

Interleukin-4 is a pleiotropic cytokine produced primarily by activated T lymphocytes, basophils and mast cells. Multiple immune response-modulating functions are performed by IL-4 on a variety of cell types and it has an important role in the regulator of isotype switching, induction of IgE production in B lymphocytes and differentiation of precursor T helper cells. IL-4 binds to both membrane-bound and secreted soluble IL-4 receptors.

Interleukin-4 Human Recombinant produced in E.Coli is single, a non-glycosylated, Polypeptide chain containing 150 amino acids fragment (25-153) and having a total molecular mass of 19.62kDa with an amino-terminal hexahistidine tag. The IL-4 is fused to 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

### Physical Appearance

Sterile Filtered clear solution.

### Purity

Greater than 95.0% as determined by SDS-PAGE.

### Formulation

Interleukin-4 His-Tag is supplied in 1x PBS, 50% glycerol.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks.

Store, frozen at -20°C for longer periods of time.

**Please avoid freeze thaw cycles.**

### Sequence

MGSSHHHHHH SSGLVPRGSH MHKCDITLQE  
IIKTLNSLTE QKTLCTELTV TDIFAASKNT  
TEKETFCRAA TVLRQFYSHH EKDTRCLGAT  
AQQFHRHKQL IRFLKRLDRN LWGLAGLNSC  
PVKEANQSTL ENFLERLTKI MREKYSKCSS