



Recombinant Human IL-5

20150227BB



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	100-044S
Size:	2 µg
Lot. No.:	According to product label

Sequence

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MIPTSEIPTSA LVKETLALLS THRTLLIANE TLRIPVPVHK  
NHQLCTEEIF QGIGTLESQT VQGGTVERLF KNLSLIKYYI  
DGQKKKCGEE RRRVNQFLDY LQEF LGVMNT EWIIES
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Database References

Protein RefSeq:	NP_000840.1
Uniprot ID:	P05113
mRNA RefSeq:	NM_000879

Scientific Background

Gene-ID (NCBI):	3567
Synonyms:	IL5; EDF; TRF; IL-5

IL-5 is a hematopoietic growth factor that stimulates the proliferation and activation of eosinophils. Produced by mast cells, T cells, and eosinophils, IL-5 plays an important role in inducing cell-mediated immunity against parasitic infections and certain tumors. Elevated levels of IL-5 lead to Eosinophilia, which may result in the induction of asthma and other allergic diseases. Human and murine IL-5 is cross-species reactive. Recombinant human IL-5 is a 26.0 kDa disulfide-linked homodimeric protein containing two 116 amino acid chains.

Product Specifications

Expressed in	E. coli
Purity	> 98% by SDS-PAGE & HPLC analyses
Structural Information	disulphide-linked homodimer
Endotoxin level	< 0.1 ng /µg of protein (<1EU/µg).
Formulation	lyophilized
Length (aa):	116
MW:	26 kDa

Biological Activity: The ED50 as determined by the dose-dependent proliferation of TF-1 cells was ≤ 0.15 ng/ml, corresponding to a specific activity of $\geq 6.6 \times 10^6$ units/mg.



AVOID REPEATED FREEZE AND THAW CYCLES!