

Active Recombinant Human IL5 Protein, His-Tagged

Cat. No. IL5-01H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL5 Protein, His-Tagged was expressed in Baculovirus cell line
Species	Human
Source	Insect Cells
ProteinLength	124aa
Description	This gene encodes a cytokine that acts as a growth and differentiation factor for both B cells and eosinophils. The encoded cytokine plays a major role in the regulation of eosinophil formation, maturation, recruitment and survival. The increased production of this cytokine may be related to pathogenesis of eosinophil-dependent inflammatory diseases. This cytokine functions by binding to its receptor, which is a heterodimer, whose beta subunit is shared with the receptors for interleukine 3 (IL3) and colony stimulating factor 2 (CSF2/GM-CSF). This gene is located on chromosome 5 within a cytokine gene cluster which includes interleukin 4 (IL4), interleukin 13 (IL13), and CSF2 . This gene, IL4, and IL13 may be regulated coordinately by long-range regulatory elements spread over 120 kilobases on chromosome 5q31.
Form	Liquid
Bio-activity	Measured in a cell proliferation assay using TF-1 human erythroleukemic cells. The ED50 range ≤ 1.5 ng/ml.
Molecular Mass	14.2 kDa

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Endotoxin	< 1 EU per 1ug of protein (determined by LAL method)
Purity	> 90% by SDS-PAGE
Applications	SDS-PAGE, Bioactivity
Storage	Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.
Concentration	0.5mg/ml (determined by absorbance at 280nm)
Storage Buffer	Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

GENE INFORMATION

Gene Name	IL5 interleukin 5 [Homo sapiens (human)]
Official Symbol	IL5
Synonyms	Interleukin-5, IL-5, EDF, TRF
Gene ID	3567
mRNA Refseq	NM_000879.3
Protein Refseq	NP_000870.1
MIM	147850
UniProt ID	P05113

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