9051 Mira Mesa Blvd, #910094
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IL5 Mouse, Sf9

Interleukin-5 Mouse Recombinant, Sf9
CYK0458

Product Overview

Name	IL5 Mouse, Sf9
Description	
Interleukin-5 Mouse Recombinant, Sf9	
Accession (Primary)	P04401
Synonyms	
interleukin 5, Il, Il-5, B-cell growth factor II, BCGF-II, Cytotoxic T-lymphocyte inducer, Eosinophil differentiation factor, T-cell replacing factor, EDF, TRF, B cell differentiation factor I, IL5.	
Introduction	
The protein encoded by this gene is a cytokine that acts as a growth and differentiation factor for both B cells and eosinophils. IL5is a main regulator of eosinopoiesis, eosinophil maturation and activation. The elevated production of IL5is reported to be related to asthma or hypereosinophilic syndromes. The receptor of IL5is a heterodimer, whose beta subunit is shared with the receptors for interleukine 3 (IL3) and colony stimulating factor 2 (CSF2/GM-CSF). IL5, together with those for interleukin 4 (IL4), interleukin 13 (IL13), and CSF2, form a cytokine gene cluster on chromosome 5. IL5, IL4, and IL13 are found to be regulated coordinately by long-range regulatory elements spread over 120 kilobases on chromosome 5q31.	
Source	
Sf9, Baculovirus cells.	
Physical Appearance	
Sterile filtered colorless solution.	
Formulation	
The IL5 solution (0.25mg/1ml) contains phosphate buffered saline (pH7.4) and 10% 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. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 90.0% as determined by SDS-PAGE.	
Amino acid sequence	
MEIPMSTVVK ETLTQLSAHR ALLTSNETMR LPVPTHKNHQ LCIGEIFQGL DILKNQTVRG GTVEMLFQNL	

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SLIKKYIDRQ KEKCGEERRR TRQFLDYLQE FLGVMSTEWA MEG HHHHHH

Biological Activity

Measured in a cell proliferation assay using TF-1 human erythroleukemic cells. The ED50 range ≤ 1 ng/ml.

Precautions

IL5 Mouse, Sf9 is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P04401)