9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

32-13652: IL5 Mouse, Sf9

Format :	The IL5 solution (0.25mg/1ml) contains phosphate buffered saline (pH7.4) and 10% glycerol.
Alternative Name :	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.

Description

Source:Sf9, Baculovirus cells.
Physical Appearance:Sterile filtered colorless solution.
Biological ActivityMeasured in a cell proliferation assay using TF-1 human erythroleukemic cells. The ED50 range = 1 ng/ml.
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.
IL5 Mouse produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 119 amino acids (21-133 a.a) and having a molecular mass of 13.9kDa.IL5 is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount :	10 µg / 2 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Storage condition :	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.
Amino Acid :	MEIPMSTVVK ETLTQLSAHR ALLTSNETMR LPVPTHKNHQ LCIGEIFQGL DILKNQTVRG GTVEMLFQNL SLIKKYIDRQ KEKCGEERRR TRQFLDYLQE FLGVMSTEWA MEGHHHHHH