32-13651: IL5 Mouse, HEK

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, EDF, BCGF-II, Cytotoxic T-lymphocyte inducer, Eosinophil differentiation factor, TRFB cell differentiation factor I, T-cell replacing factor, TRF, B-cell differentiation factor I, IL5

Description

Source:HEK293 Cells.

Physical Appearance:Sterile filtered colorless solution.

Biological ActivityMeasured in a cell proliferation assay using TF-1 human erythroleukemic cells. The ED50 range = 3 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 Recombinant produced in HEK293 Cells is a single, glycosylated polypeptide chain containing 122 amino acids (21-133 a.a) and having a molecular mass of 14.2 kDa.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 :	DGSMEIPMST VVKETLTQLS AHRALLTSNE TMRLPVPTHK NHQLCIGEIF QGLDILKNQT VRGGTVEMLF QNLSLIKKYI DRQKEKCGEE RRRTRQFLDY LQEFLGVMST EWAMEGHHHH HH