

Recombinant Human IL5

Cat No:HR2R1621

For research use only

Overview

Quantity	10 ?g
Gene Symbol	IL5
Gene ID	3567
Accession	P05113
Alternative Name	IL-5, B cell growth factor II, BCGF-II, Cytotoxic T lymphocyte inducer, Eosinophil differentiation factor T cell replacing factor, TRF Recombinant Human Interleukin-5 (IL5)
Species	Human
Source	E. coli
Description	Interleukin 5 (IL5) is a specific hematopoietic growth factor that is responsible for the growth and differentiation of eosinophils. IL5 promotes the growth of immature hematopoietic progenitor cells BFU-E while it causes differentiation of CFU-E the proliferation of which is inhibited by IL5. B cells can be made responsive to IL5 by treatment with suboptimal doses of IL1. Interleukin 5 also promotes the generation of cytotoxic T cells from thymocytes. In thymocytes IL5 induces the expression of high affinity IL2 receptors. Human and mouse IL5 is cross-species reactive. Recombinant Human IL5 is a 26.5 kDa disulfide-linked homodimerized protein.
Functions	N/A
Formulation	Lyophilized from a 0.2 ?m filtered solution in Tris with NaCl
Solubility	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Appearance	Lyophilized Powder
Molecular Weight	13
Purity	>95% as determined by SDS-PAGE
Concentration	<1.0 EU/?g of recombinant protein as determined by the LAL method.
Shipping Condition	Ambient Temperature
Storage Condition	Store product at ?70?C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favourable performance, avoid repeated handling and multiple freeze/thaw cycles.