

DATASHEET
Version 20181206**IL-5, Human(CHO-expressed)****Cat. No.:** Z02981-10**Size:** 10.0 ug**Synonyms:** EDF, BCDFII, TRF**Description:**

Interleukin-5 (IL-5), produced by mast cells, T cells and eosinophils, is responsible for the activities attributed to eosinophil differentiating factor, B cell growth factor II and T cell-replacing factor (TRF). It can increase production and mobilization of eosinophils and CD34+ progenitors from the bone marrow. IL-5 plays an important role in inducing cell-mediated immunity against parasitic infections and certain tumors. IL-5 also promotes differentiation of basophils and primes them for histamine and leukotriene release. Recombinant Human IL-5 is homodimeric protein with molecular weight ranging from 29 to 35 kDa due to glycosylation.

Amino Acid Sequence:

00001 IPTEIPTSL VKETLALLST HRTLLIANET LRIPVPHKN
00041 HQLCTEEIFQ GIGTLESQTV QGGTVERLFK NLSLIKYYID
00081 GQKKKCGEER RRVNQFLDYL QEFLGVMNTE WIIES

Source: CHO**Species:** Human**Biological Activity:** ED₅₀ < 1 ng/ml, measured in a cell proliferation assay using TF-1 cells, corresponding to a specific activity of > 1×10⁶ units/mg.**Molecular Weight:** 29-35 kDa, observed by non-reducing SDS-PAGE.**Formulation:** Lyophilized after extensive dialysis against PBS.**Reconstitution:** Reconstituted in ddH₂O or PBS at 100 µg/ml.**Purity:** > 95% as analyzed by SDS-PAGE and HPLC.**Endotoxin Level:** < 0.2 EU/µg, determined by LAL method.**Storage:** Lyophilized recombinant human Interleukin 5 (rhIL-5) remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, rhIL-5 should be stable up to 1 week at 4°C or up to 2 months at -20°C.