

**IL5, 20-134aa, Human, His-tag, Baculovirus**

**Cat.NO.: TP02644**

3th Edition

**Synonyms:** Interleukin-5, IL-5, EDF, TRF

**Description:** IL5, also known as interleukin-5, is a member of the hematopoietin receptor superfamily and is comprised of a cytokine-specific alpha chain and the common beta chain that is shared among these cytokines for signaling. It related hematopoietic cytokines that are important for allergic inflammation. It is a lineage-specific cytokine for eosinophilopoiesis and plays an important part in diseases associated with increased eosinophils, such as asthma. Recombinant human IL5, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

**Form:** Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

**Molecular Weight:** 14.2kDa (124aa), 13.5-18kDa (SDS-PAGE under reducing conditions)

**Sequences:**

ADPIPTSEIPTSALVKETLALLSTHRTLLIANETLRIPVPVHKNHQLCTEEIFQGIGTLESQTVQGGTVERLFKNLSLIKYY  
IDGQKKKCGEERRRVNQFLDYLQEFLGVMNTEWIIESHHHHHH

**Purity:** > 95% by HPLC

**Concentration:** 0.5mg/ml (determined by Absorbance at 280nm)

**Endotoxin Level:** <1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.