

**IL-4, 25-153 aa, Human, His-tagged, Recombinant, E.coli**

**Cat.NO.: TP02600**

3th Edition

**Synonyms:**IL-4, BSF-1, Binetrakin, Pitrakinara, Lymphocyte stimulatory factor 1

**Description:**Interleukin-4 (IL-4) is a pleiotropic cytokine that has many biological roles, including the stimulation of activated B-cell and T-cell proliferation, and the differentiation of naïve helper T-cell to Th2 cells. Interleukin-4 is a co-stimulator of DNA-synthesis and is induces the expression of class II MHC molecules on resting B cells.

**Form:**Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

**Molecular Weight:**17.2kDa (150aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMHKCDITLQEIIKTLNSLTEQKTLCTELTVTDIFAASKNTEKETFCRAATVLRQFYS  
HHEKDRCLGATAQQFHRHKQLIRFLKRLDRNLWGLAGLNSCPVKANQSTLENFLERLKTIMREKYSKCSS

**Purity:**> 95% by HPLC

**Concentration:**0.5 mg/ml (determined by Bradford assay)

**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.