

**Recombinant Mouse Interleukin-13/IL-13 Protein(C-6His)**

**Cat.NO.: TP05822**

3th Edition

**Synonyms:**Interleukin-13; IL-13; T-Cell Activation Protein P600; Il13; IL-13

**Description:**Mouse interleukin 13 (mIL-13) is a pleiotropic cytokine produced by activated Th2 cells. IL-13 induces B cell proliferation and immunoglobulin production. It contains a four helical bundle with two internal disulfide bonds. Mouse IL13 shares 58% sequence identity with human protein and exhibits cross-species activity. IL13 signals via receptor IL13R (type2, IL4R) and activates STAT-6. IL13 initially binds IL-13R?1 with low affinity and triggers association of IL4R?, generating a high affinity heterodimeric receptor IL13R and eliciting downstream signals. IL13 also binds IL-13R?2 with high affinity, which plays a role in a negative feedback system of IL13 signaling. IL13 is an important mediator of allergic inflammation and disease.

**Form:**PBS

**Molecular Weight:**13.1 kDa

**Sequences:**Pro22-Phe131

**Purity:**> 95% by HPLC

**Concentration:**

**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.