

## 32-8307: Recombinant Mouse Interleukin-13/IL-13 (Ser26-Phe131)

**Gene :** IL13  
**Gene ID :** 16163  
**Uniprot ID :** P20109

### Description

Source: E. coli.  
MW :11.7kD.

Recombinant Mouse Interleukin-13 is produced by our E.coli expression system and the target gene encoding Ser26-Phe131 is expressed. 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-13Ra1 with low affinity and triggers association of IL4Ra, generating a high affinity heterodimeric receptor IL13R and eliciting downstream signals. IL13 also binds IL-13Ra2 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** SVSLPLTLKELIEELS NITQDQTPLCNGSMVWSVDLAAGGFCVALDSL TNISNCNAIYRTQRILHGLCNRKAPTTV  
SSLPDTKIEVAHFITKLLSYTKQLFRHGPF

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.