

Active Recombinant Mouse Il13 Protein, His-tagged

Cat. No. Il13-256I **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Il13 Protein with a His tag was expressed in CHO.
Species	Mouse
Source	CHO
Description	Interleukin-13 (IL-13), also known as T-cell activation protein P600, is an immunoregulatory cytokine belonging to the IL-4/IL-13 family. It is produced by activated Th2 cells, mast cells and NK cells. IL-13 signals through a receptor complex composed of IL-4Rα and IL13Rα1 (or IL13Rα2). IL-13 inhibits the expression of inflammatory cytokines such as IL-1β, TNF-α and IL-6 by monocytes and macrophages. It also induces B cell activation and IgE secretion.
Form	Sterile Filtered White lyophilized (freeze-dried) powder.
Bio-activity	ED50 < 20 ng/mL, measured in a cell proliferation assay using R&D TF-1 cells.
Molecular Mass	14-30 kDa, observed by reducing SDS-PAGE.
AA Sequence	PVPRSVSLPLTLKELIEELSNITQDQTPLCNGSMVWSVDLAAGGFCVALDSLTNISNC NAIYRTQRILHGLCNRKAPTTVSSLPDTKIEVAHFITKLLSYTKQLFRHGPFHHHHHH
Endotoxin	< 0.2 EU/μg, determined by LAL method.
Purity	> 95% as analyzed by SDS-PAGE.

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Storage	Lyophilized recombinant murine Interleukin-13 (IL-13), His remains stable up to 6 months at -80 centigrade from date of receipt. Upon reconstitution, murine Interleukin-13 (IL-13), His should be stable up to 1 week at 4 centigrade or up to 2 months at -20 centigrade.
Storage Buffer	Lyophilized after extensive dialysis against PBS.
Reconstitution	Reconstituted in ddH2O or PBS at 100 µg/mL.
GENE INFORMATION	
Gene Name	IL13 interleukin 13 [<i>Mus musculus</i>]
Official Symbol	IL13
Synonyms	IL13; interleukin 13; interleukin-13; T-cell activation protein P600; IL-13;
Gene ID	16163
mRNA Refseq	NM_008355
Protein Refseq	NP_032381
UniProt ID	P20109