

Product datasheet for **TP700054**

IL13 (NM_002188) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of secreted form of human interleukin 13 (IL13)
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	A DNA sequence from TrueORF clone, RC216947, encoding the mature form (Gly35-Asp146) of human IL13
Tag:	N-His/DDK
Predicted MW:	16 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	PBS, pH 7.4
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_002179
Locus ID:	3596
UniProt ID:	P35225
RefSeq Size:	1282
Cytogenetics:	5q31.1
RefSeq ORF:	438
Synonyms:	IL-13; P600



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Summary:

This gene encodes an immunoregulatory cytokine produced primarily by activated Th2 cells. This cytokine is involved in several stages of B-cell maturation and differentiation. It up-regulates CD23 and MHC class II expression, and promotes IgE isotype switching of B cells. This cytokine down-regulates macrophage activity, thereby inhibits the production of pro-inflammatory cytokines and chemokines. This cytokine is found to be critical to the pathogenesis of allergen-induced asthma but operates through mechanisms independent of IgE and eosinophils. This gene, IL3, IL5, IL4, and CSF2 form a cytokine gene cluster on chromosome 5q, with this gene particularly close to IL4. [provided by RefSeq, Jul 2008]

Protein Families:

Druggable Genome, Secreted Protein, Transmembrane

Protein Pathways:

Asthma, Cytokine-cytokine receptor interaction, Fc epsilon RI signaling pathway, Jak-STAT signaling pathway

Product images: