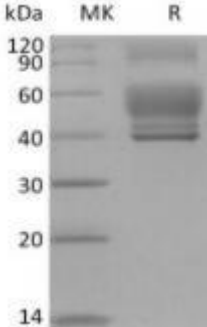


Recombinant Human IL-13

Catalog#:P01686 Derived from Human Cells

DESCRIPTION	<p>Recombinant Human Interleukin-13 is produced by our Mammalian expression system and the target gene encoding Gly21 -Asn132 is expressed with a Fc tag at the C-terminus.</p> <p>Accession#: AAK53823</p> <p>Known as: Interleukin-13; IL-13</p>
FORMULATION	Lyophilized from a 0.2 μ m filtered solution of PBS, pH 7.4.
SHIPPING	<p>The product is shipped at ambient temperature.</p> <p>Upon receipt, store it immediately at the temperature listed below.</p>
STORAGE	<p>Lyophilized protein should be stored at $<-20^{\circ}\text{C}$, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at $4-7^{\circ}\text{C}$ for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at $<-20^{\circ}\text{C}$ for 3 months.</p>
RECONSTITUTION	<p><i>Always centrifuge tubes before opening. Do not mix by vortex or pipetting.</i></p> <p><i>It is not recommended to reconstitute to a concentration less than 100$\mu\text{g/ml}$.</i></p> <p>Dissolve the lyophilized protein in distilled water.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
QUALITY CONTROL	<p>Mol Mass:39.2kDa AP Mol Mass:39-60kDa, reducing conditions.</p> <p>Purity: Greater than 95% as determined by reducing SDS-PAGE.</p> <p>Endotoxin: Less than 0.1 ng/μg (1 EU/μg) as determined by LAL test.</p>
BACKGROUND	<p>Interleukin-13 is also known as IL-13. It is a protein that in humans is encoded by the IL13 gene. Interleukin- 13 is an immunoregulatory cytokine produced primarily by activated Th2 cells.It is involved in several stages of B-cell maturation and differentiation. It up-regulates CD23 and MHC class II expression, and promotes IgE isotype switchin 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.</p>
	<p style="text-align: center;">kDa MK R</p>  <p style="text-align: center;">SDS-PAGE</p>