

Recombinant Human IL37 (IL1F7)

Cat No:HR2R1616

For research use only

Overview

Quantity	100 ?g
Gene Symbol	IL37
Gene ID	27178
Accession	Q9NZH6
Alternative Name	IL-37, IL-23, FIL1 zeta, IL-1X, Interleukin-1 family member 7, IL-1F7, Interleukin-1 homolog 4, IL-1H, IL-1H4, Interleukin-1 zeta, IL-1 zeta, Interleukin-1-related protein, IL-1RP1 Recombinant Human Interleukin-37/Interleukin-23 (IL37/IL23)
Species	Human
Source	E. coli
Description	Member of the IL-1 family, IL-37 functions to curb excessive inflammation. In partnership with SMAD3, IL-37 suppresses, or reduces, proinflammatory cytokine production, including IL1A and IL6, as well as CCL12, CSF1, CSF2, CXCL13, IL1B, IL23A and IL1RN, but spares anti-inflammatory cytokines. Out of the five isoforms for IL-37 (a-e), this product represents isoform B that is expressed in testis, colon, placenta, lung and lymph node similar to isoform A and C but is the only one found in kidneys.
Functions	N.A.
Formulation	Lyophilized from a 0.2 ?m filtered solution in PBS and DTT
Solubility	Reconstitute at 100 ?g/mL in sterile PBS
Appearance	Lyophilized Powder
Molecular Weight	19.5
Purity	>95% as determined by SDS-PAGE
Concentration	<1.0 EU/?g of recombinant protein as determined by the LAL method.
Shipping Condition	Ambient Temperature
Storage Condition	The lyophilized protein is stable for at least one year from date of receipt at -70°C. Upon reconstitution, this cytokine can be stored in working aliquots at 2? - 8°C for one month, or at -20°C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.