

Recombinant Human IL-19 Protein

Catalog No.: RP01949 **Recombinant**

Sequence Information

Species Human **Gene ID** 29949 **Swiss Prot** Q9UHD0-1

Tags

C-His

Synonyms

IL19; ZMDA1;Interleukin-19; IL-19; Melanoma differentiation-associated protein-like protein; NG.1

Background

The molecular features at the IL19 locus may modestly alter the establishment of HIV-1 infection. Interleukin (IL) 19, IL-20, and IL-24 belong to the IL-10 cytokine family and have been identified to play a role in the regulation of epidermal functions and inflammation. The expression of IL19 in biopsies of patients with active ulcerative colitis was increased compared with patients with quiescent ulcerative colitis and that colitis was attenuated in IL-19-deficient mice. The disruption of the epithelial barrier with dextran sodium sulfate leads to increased IL-19 expression. Attenuated colitis in IL-19-deficient animals was associated with reduced numbers of IL-6-producing macrophages in the inflamed colonic lamina propria. Microbial-driven expression of IL-19 by intestinal macrophages may contribute to the pathogenesis of inflammatory bowel disease.

Product Information

Source HEK293 cells **Purification** $\geq 90\%$ as determined by SDS-PAGE.

Calculated MW 18.65 kDa **Observed MW** 25-35 kDa

Endotoxin
 < 1 EU/ μ g of the protein by LAL method.

Formulation
 Lyophilized from a 0.22 μ m filtered solution of PBS, pH 7.4.

Reconstitution
 Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize freeze-thaw cycles.

Basic Information

Description

Recombinant Human IL-19 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Leu25-Ala177) of Human IL-19 (Accession #NP_715639.2) fused with a His tag at the C-terminus.

Bio-Activity

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

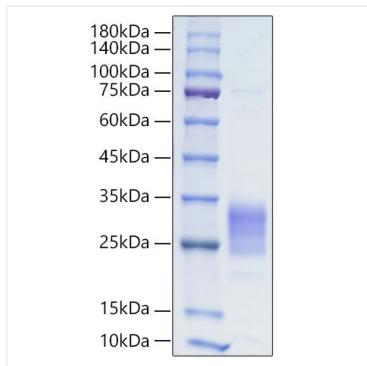
Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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Validation Data



Recombinant Human IL-19 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.