

# Recombinant Mouse IL-19 protein(His Tag)

Catalog Number:PKSM041507



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

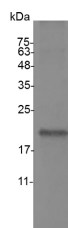
## Description

<b>Synonyms</b>	IL19;Interleukin-19
<b>Species</b>	Mouse
<b>Expression Host</b>	E.coli
<b>Sequence</b>	Leu 25-Ala 176
<b>Accession</b>	Q8CJ70
<b>Calculated Molecular Weight</b>	18.5 kDa
<b>Observed molecular weight</b>	17-25 kDa
<b>Tag</b>	C-His
<b>Bioactivity</b>	Measure by its ability to induce proliferation in BaF3 cells transfected with human IL-20 R alpha and human IL-20 R beta. The ED <sub>50</sub> for this effect is < 0.6 ng/mL.

## Properties

<b>Purity</b>	> 98 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 0.1 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

## Data



> 98 % as determined by reducing SDS-PAGE.

## 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

## For Research Use Only

A Reliable Research Partner in Life Science and Medicine

Toll-free: 1-888-852-8623

Web: [www.elabscience.com](http://www.elabscience.com)

Tel: 1-832-243-6086

Email: [techsupport@elabscience.com](mailto:techsupport@elabscience.com)

Fax: 1-832-243-6017

# Recombinant Mouse IL-19 protein(His Tag)

Catalog Number:PKSM041507



lamina propria. Microbial-driven expression of IL-19 by intestinal macrophages may contribute to the pathogenesis of inflammatory bowel disease.

---

## For Research Use Only

A Reliable Research Partner in Life Science and Medicine

Toll-free: 1-888-852-8623

Tel: 1-832-243-6086

Fax: 1-832-243-6017

Web: [www.elabscience.com](http://www.elabscience.com)

Email: [techsupport@elabscience.com](mailto:techsupport@elabscience.com)