

## Active Recombinant Mouse Il19 Protein, His-Tagged

Cat. No. II19-01M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant mouse Il19 Protein, His-tagged was expressed in E. coli cell
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>Description</b>	Interleukin 19 (IL-19) is a protein that in humans is encoded by the IL19 gene. This cytokine is found to be preferentially expressed in monocytes. It can bind the interleukin-20 receptor complex and lead to the activation of the signal transducer and activator of transcription 3 (STAT3). A similar cytokine in mouse is reported to up-regulate the expression of IL6 and TNF-alpha and induce apoptosis, which suggests a role of this cytokine in inflammatory responses. Alternatively, spliced transcript variants encoding the distinct isoforms have been described.
<b>Form</b>	Lyophilized powder
<b>AA Sequence</b>	MLRRCLISVDMRLIEKSFHEIKRAMQTKDTFKNVTILSLENLRSIKPGDVCCMTNLLT FYRDRVFQDHQERSLEVLRRISSIANSFLCVQKSLE RCQVHRQCNCSEQEATNATRIIHDNYNQLEVSSAALKSLGELNILLAWIDRNHLETPAA with polyhistidine tag at the C-terminus
<b>Endotoxin</b>	<0.1 EU per 1 µg of the protein by the LAL method.
<b>Bio-activity</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 ED50 for this effect is <0.6 ng/mL.

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<b>Purity</b>	>98% as determined by SDS-PAGE. Ni-NTA chromatography
<b>Storage Buffer</b>	The protein was lyophilized from a solution containing 1X PBS, pH 7.4.
<b>Reconstitution</b>	It is recommended to reconstitute the lyophilized protein in sterile H <sub>2</sub> O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
<b>Storage</b>	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
<b>Notes</b>	Please use within one month after protein reconstitution.

## GENE INFORMATION

<b>Gene Name</b>	Il19 interleukin 19 [ <i>Mus musculus</i> (house mouse) ]
<b>Official Symbol</b>	Il19
<b>Gene ID</b>	329244
<b>mRNA Refseq</b>	NM_001009940.2
<b>Protein Refseq</b>	NP_001009940.1
<b>UniProt ID</b>	Q8CJ70

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