Recombinant Mouse Il19 protein

Cat. No. Il19-72M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Il19 protein was expressed in Escherichia coli.
Species	Mouse
Source	E.coli
ProteinLength	152
Description	Interleukin-19 (IL-19) belongs to the IL-10 family that includes IL-10, IL-20, IL-22, IL-24, and IL-26. As a monomer made of seven amphipathic helices, IL-19 has a helical bundle and shares the same cell surface receptor (IL-20R) with IL-20 and IL-24. It may play some important roles in inflammatory responses because it up-regulates IL-6 and TNF-alpha and induces apoptosis.
Form	Lyophilized from a 0.2μm filtered concentrated solution in PBS, pH 7.4, with 3 % Trehalose.
Bio-activity	Fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using human IL-20Rα and human IL-20Rβ co-transfected murine BaF3 pro-B cells is less than 0.8 ng/ml, corresponding to a specific activity of > 1.25×10^6 IU/mg.
Molecular Mass	Approximately 17.6 kDa, a single non-glycosylated polypeptide chain containing 152 amino acids.

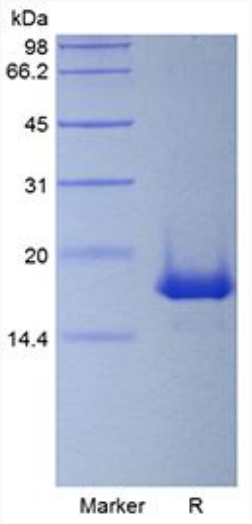
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AA Sequence	LRRCLISVDMRLIEKSFHEIKRAMQTKDTFKNVTILSLENLRSIKPGDVCCMTNNLLTF YRDRVFQDHQERSLEVLRRISSIANSFLCVQKSLERCQVHRQCNCSQEATNATRIIH DNYNQLEVSSAALKSLGELNILLAWIDRNHLETPAA
Endotoxin	Less than 0.1 EU/μg of rMuIL-19 as determined by LAL method.
Purity	>97% by SDS-PAGE and HPLC analysis.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤-20 centigrade. Further dilutions should be made in appropriate buffered solutions.

GENE INFORMATION

Gene Name	Il19
Official Symbol	Il19
Synonyms	IL19; interleukin 19; interleukin-19; IL-19;
Gene ID	329244
mRNA Refseq	NM_001009940

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Protein Refseq	NP_001009940
UniProt ID	Q8CJ70
SDS-PAGE of Il19-72M	

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