

Bioactive

IL19 (Human) Recombinant Protein

Catalog # P7270

Size 10 ug

Specification

Product Description	Human IL19 (Q9UHD0, 25 a.a. - 177 a.a.) F175S mutant partial recombinant protein expressed in <i>Escherichia coli</i> .
Sequence	LILCSVDNHGLRRCLISTDMHHIEESFQEIKRAIQAKDTFPNVTILSTLETQIIKPLDVCCVTKNLLAF YVDRVFKDHDQEPNPKILRKISSIANSFLYMQKTLRQCQEQRQCHCRQEATNATRVIHNDNYDQLEVH AAAIKSLGELDVFLAWINKNHEVMSSA
Host	Escherichia coli
Theoretical MW (kDa)	17.9
Form	Lyophilized
Preparation Method	<i>Escherichia coli</i> expression system
Purity	> 95% as analyzed by SDS-PAGE. > 95% as analyzed by HPLC.
Endotoxin Level	< 1 EU/ug of protein by LAL method
Activity	Fully biologically active when compared to standard. The ED ₅₀ 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 1 .5 ng/mL, corresponding to a specific activity of > 6.7 × 10 ⁵ IU/mg.
Recommend Usage	Biological Activity SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from PBS. Reconstitute the lyophilized powder in ddH ₂ O up to 100 ug/mL.
Storage Instruction	Store at 4°C to 8°C for 1 week. For long term storage store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- SDS-PAGE

Gene Info — IL19

Entrez GeneID [29949](#)

Protein Accession# [Q9UHD0](#)

Gene Name IL19

Gene Alias IL-10C, MDA1, NG.1, ZMDA1

Gene Description interleukin 19

Omim ID [605687](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is a cytokine that belongs to the IL10 cytokine subfamily. This cytokine is found to be preferentially expressed in monocytes. It can bind the IL20 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 transcripts encoding the distinct isoforms have been described. [provided by RefSeq]

Other Designations melanoma differentiation associated protein-like protein

Pathway

- [Cytokine-cytokine receptor interaction](#)
- [Jak-STAT signaling pathway](#)

Disease

- [Asthma](#)
- [Bronchiolitis](#)
- [Depressive Disorder](#)

- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [DNA Damage](#)
- [Genetic Predisposition to Disease](#)
- [Hematologic Diseases](#)
- [Hepatitis B](#)
- [Hepatitis C](#)
- [Hodgkin Disease](#)
- [Infant](#)
- [Inflammation](#)
- [Leukemia](#)
- [Lymphoproliferative Disorders](#)
- [Multiple Myeloma](#)
- [Occupational Diseases](#)
- [Panic Disorder](#)
- [Psoriasis](#)
- [Respiratory Syncytial Virus Infections](#)
- [Tobacco Use Disorder](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)