

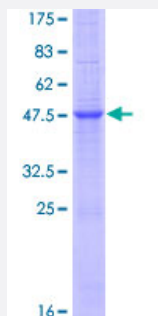
## Full-Length

# IL19 (Human) Recombinant Protein (P01)

Catalog # H00029949-P01

Size 25 ug, 10 ug

## Applications



## Specification

|                                      |                                                                                                                                                                                                                                 |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>           | Human IL19 full-length ORF ( NP_715639.1, 1 a.a. - 215 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                    |
| <b>Sequence</b>                      | MCTEGAFPHRSACSLPLTHVHTHHVCVPVLWGSVPRGMKLQCVSLWLLGTILILCSVDNHGLRR<br>CLISTDMHHIEESFQEIKRAIAKDTFPNVTILSTLETLQIIKPLDVCCVTKNLLAFYVDRVFKDHP<br>NPKILRKISSIANSFLYMQKTLRQCQEQRQCHCRQEATNATRVIIHDNYDQLEVHAAAIKSLGELDV<br>LAWINKNHEVMFSA |
| <b>Host</b>                          | Wheat Germ (in vitro)                                                                                                                                                                                                           |
| <b>Theoretical MW (kDa)</b>          | 51                                                                                                                                                                                                                              |
| <b>Interspecies Antigen Sequence</b> | Mouse (69)                                                                                                                                                                                                                      |
| <b>Preparation Method</b>            | <a href="#">in vitro wheat germ expression system</a>                                                                                                                                                                           |
| <b>Purification</b>                  | Glutathione Sepharose 4 Fast Flow                                                                                                                                                                                               |
| <b>Quality Control Testing</b>       | 12.5% SDS-PAGE Stained with Coomassie Blue.                                                                                                                                                                                     |
| <b>Storage Buffer</b>                | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                                                        |
| <b>Storage Instruction</b>           | Store at -80°C. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                 |

## Note

Best use within three months from the date of receipt of this protein.

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — IL19

Entrez GeneID [29949](#)

GeneBank Accession# [NM\\_153758.1](#)

Protein Accession# [NP\\_715639.1](#)

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](#)