

# Active Recombinant Human IL19 Protein (Leu25-Ala177), C-His tagged, Animal-free, Carrier-free

**Cat. No.** IL19-138H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human IL19 Protein (Leu25-Ala177) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.                                                                                                                                                                                                                                                      |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                              |
| <b>ProteinLength</b>    | Leu25-Ala177                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Description</b>      | Interleukin 19 (IL-19) predicts a molecular mass of 35.8 kDa, is a type of anti-inflammatory cytokine. It promotes the Th2 T-cell response which supports an anti-inflammatory lymphocyte phenotype, dampens the Th1 T-cell response and IFN $\gamma$ secretion, increases IL-10 expression in peripheral blood mononuclear cells, and inhibits the production of IgG from B cells. |
| <b>Form</b>             | Lyophilized                                                                                                                                                                                                                                                                                                                                                                         |
| <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 < 1.2 ng/mL                                                                                                                                                                                                                   |
| <b>Molecular Mass</b>   | The protein has a calculated MW of 18.69 kDa.<br>The protein migrates as 18 kDa under reducing condition (SDS-PAGE analysis).                                                                                                                                                                                                                                                       |
| <b>Endotoxin</b>        | < 0.1 EU/ $\mu$ g of the protein by the LAL method.                                                                                                                                                                                                                                                                                                                                 |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                       |                                                                                                                                                                                                                                                                  |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>         | >98% as determined by SDS-PAGE analysis.                                                                                                                                                                                                                         |
| <b>Storage</b>        | <p>This product is stable after storage at:</p> <p>-20 centigrade for 12 months in lyophilized state from date of receipt.</p> <p>-20 or -80 centigrade for 1 month under sterile conditions after reconstitution.</p> <p>Avoid repeated freeze/thaw cycles.</p> |
| <b>Storage Buffer</b> | Lyophilized from a 0.2 µm filtered solution of PBS, pH 8.0.                                                                                                                                                                                                      |
| <b>Reconstitution</b> | It is recommended to reconstitute the lyophilized protein in sterile H <sub>2</sub> O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.                                          |
| <b>Shipping</b>       | The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.                                                                                                                                    |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                               |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | IL19 interleukin 19 [ Homo sapiens (human) ]                                                                                                                                                                                                                  |
| <b>Official Symbol</b> | IL19                                                                                                                                                                                                                                                          |
| <b>Synonyms</b>        | IL19; interleukin 19; interleukin-19; IL 10C; IL 19; MDA1; melanoma differentiation associated protein like protein; NG.1; ZMDA1; melanoma differentiation associated protein-like protein; melanoma differentiation-associated protein-like protein; IL-10C; |
| <b>Gene ID</b>         | 29949                                                                                                                                                                                                                                                         |
| <b>mRNA Refseq</b>     | NM_013371                                                                                                                                                                                                                                                     |
| <b>Protein Refseq</b>  | NP_037503                                                                                                                                                                                                                                                     |

 Tel: 1-631-559-9269 1-516-512-3133

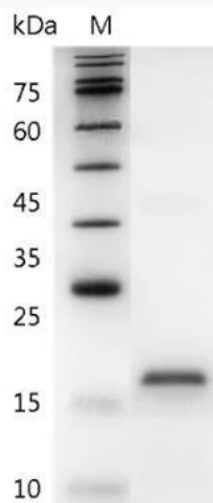
 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

MIM 605687

UniProt ID Q9UHD0

SDS-PAGE analysis  
of recombinant  
human IL-19.



Tel: 1-631-559-9269 1-516-512-3133

Email: [info@creative-biomart.com](mailto:info@creative-biomart.com) Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA