

## Active Recombinant Human IL23A Protein (Arg20-Pro189), N-His tagged, Animal-free, Carrier-free

Cat. No. IL23A-244H Lot. No. (See product label)

### SPECIFICATION

|                         |  |
|-------------------------|--|
| <b>Product Overview</b> | Recombinant Human IL23A Protein (Arg20-Pro189) with N-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>    | Arg20-Pro189   |
| <b>Description</b>      | Interleukin 23 p19(IL-23p19) predicts a molecular mass of 20.7 kDa. Interleukin 23 is a heterodimeric cytokine composed of an IL-12p40 subunit that is shared with IL-12 and the IL-23p19 subunit. The receptor of IL23 is formed by the beta 1 subunit of IL12 (IL12RB1) and an IL23 specific subunit, IL23R. Both IL23 and IL12 can activate the transcription activator STAT4 and stimulate the production of interferon-gamma (IFN-gamma). |
| <b>Form</b>             | Lyophilized  |
| <b>Bio-activity</b>     | Measured by its ability to induce IL-17 secretion in mouse splenocytes. The ED50 for this effect is < 0.5 ng/mL.   |
| <b>Molecular Mass</b>   | The protein has a calculated MW of 19.49 kDa.<br>The protein migrates as 17 kDa under reducing condition (SDS-PAGE analysis).  |

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|                       |   |
|-----------------------|---|
| <b>Endotoxin</b>      | < 0.1 EU/μg of the protein by the LAL method.   |
| <b>Purity</b>         | >95% as determined by SDS-PAGE analysis.  |
| <b>Storage</b>        | This product is stable after storage at:<br>-20 centigrade for 12 months in lyophilized state from date of receipt.<br>-20 or -80 centigrade for 1 month under sterile conditions after reconstitution.<br>Avoid repeated freeze/thaw cycles. |
| <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 H2O 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>       | IL23A interleukin 23, alpha subunit p19 [ Homo sapiens (human) ]   |
| <b>Official Symbol</b> | IL23A  |
| <b>Synonyms</b>        | IL23A; interleukin 23, alpha subunit p19; interleukin-23 subunit alpha; IL 23; IL 23A; IL23P19; interleukin six; G CSF related factor; P19; SGRF; IL-23-A; IL-23p19; IL-23 subunit alpha; interleukin 23 p19 subunit; interleukin-23 subunit p19; JKA3 induced upon T-cell activation; interleukin-six, G-CSF related factor; IL-23; IL-23A; MGC79388; |
| <b>Gene ID</b>         | 51561  |

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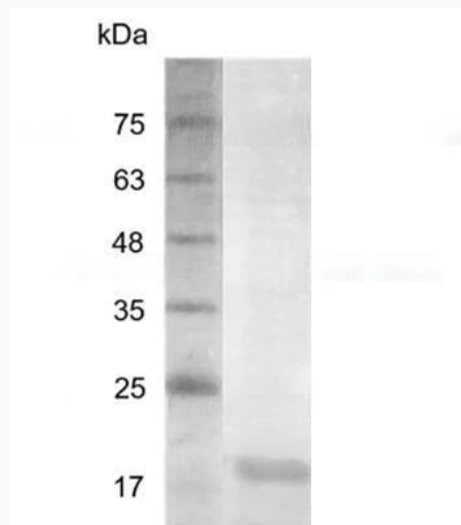
mRNA Refseq [NM\\_016584](#)

Protein Refseq [NP\\_057668](#)

MIM [605580](#)

UniProt ID [Q9NPF7](#)

**SDS-PAGE analysis  
of recombinant  
human IL-23 p19.**



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