

## Active Recombinant Human IL36RN Protein (Met1-Asp155), C-His tagged, Animal-free, Carrier-free

**Cat. No.** IL36RN-118H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                            |
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| <b>Product Overview</b> | Recombinant Human IL36RN Protein (Met1-Asp155) 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>    | Met1-Asp155                                                                                                                                                                                                                                                                                                                |
| <b>Description</b>      | Interleukin 36 receptor antagonist (IL-36RA) is a 16.97 kDa member of IL-1 family with 155 amino acid residues. IL-1RA is expressed by lymphoid tissue, skin and secreted to blood. IL-36Ra functions as a receptor antagonist that inhibits the activation of IL-36R signaling and suppresses pro-inflammatory signaling. |
| <b>Form</b>             | Lyophilized                                                                                                                                                                                                                                                                                                                |
| <b>Bio-activity</b>     | Measure by its ability to inhibit IL-36 gamma-induced IL-8 secretion in PBMC cells. The ED50 for this effect is < 2 ng/mL in the presence of 500 ng/mL of recombinant human IL-36 gamma.                                                                                                                                   |
| <b>Molecular Mass</b>   | The protein has a calculated MW of 17.77 kDa.<br>The protein migrates as 17 kDa under reducing condition (SDS-PAGE analysis).                                                                                                                                                                                              |
| <b>Endotoxin</b>        | < 0.1 EU/μg of the protein by the LAL method.                                                                                                                                                                                                                                                                              |

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|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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 7.4.                                                                                                                                                                                                      |
| <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>       | IL36RN interleukin 36 receptor antagonist [ Homo sapiens (human) ]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Official Symbol</b> | IL36RN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Synonyms</b>        | IL36RN; interleukin 36 receptor antagonist; IL1F5, interleukin 1 family, member 5 (delta); interleukin-36 receptor antagonist protein; family of interleukin 1 delta; FIL1; FIL1(DELTA); FIL1D; IL 1 related protein 3; IL 1F5; IL1HY1; IL1L1; IL1RP3; IL36RA; interleukin 1 HY1; interleukin 1 receptor antagonist homolog 1; MGC29840; IL-1ra homolog 1; interleukin-1 HY1; IL-1 related protein 3; interleukin-1-like protein 1; family of interleukin 1-delta; IL1F5 (Canonical product IL-1F5a); interleukin 1 family, member 5 (delta); interleukin-1 receptor antagonist homolog 1; IL-1F5 (IL-1HY1, FIL1-delta, IL-1RP3, IL-1L1, IL-1-delta); IL1F5; PSORP; |

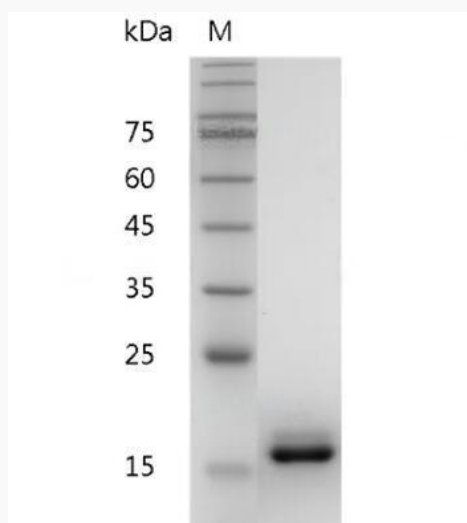
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|----------------|-----------|
| Gene ID        | 26525     |
| mRNA Refseq    | NM_012275 |
| Protein Refseq | NP_036407 |
| MIM            | 605507    |
| UniProt ID     | Q9UBH0    |

**SDS-PAGE analysis  
of recombinant  
human IL-36RA.**



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