

## Recombinant Human IL12 Protein, His-Avi-tagged

**Cat. No.** IL12-433H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                       |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human IL12 Protein is expressed from mammalian with a His Tag and Avi Tag at the C-terminal. It contains Ile23-Ser328 (IL12B/P40)/Arg23-Ser219(P35/IL12A).                                                |
| <b>Species</b>          | Human                                                                                                                                                                                                                 |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                |
| <b>ProteinLength</b>    | Ile23-Ser328 (IL12B/P40)/Arg23-Ser219(P35/IL12A)                                                                                                                                                                      |
| <b>Description</b>      | Interleukin 12 (IL-12) is a pleiotropic cytokine that plays an essential role in Th1-type immune response against cancer, a condition where cells in a particular part of the body grow and reproduce uncontrollably. |
| <b>Form</b>             | Supplied as 0.22um filtered solution in PBS (pH 7.4).                                                                                                                                                                 |
| <b>Endotoxin</b>        | Less than 0.1 EU per ug by the LAL method.                                                                                                                                                                            |
| <b>Purity</b>           | > 95% as determined by Bis-Tris PAGE. > 95% as determined by HPLC.                                                                                                                                                    |
| <b>Storage</b>          | The product should be stored at -70°C. Please do not repeated freeze-thaw cycles.                                                                                                                                     |

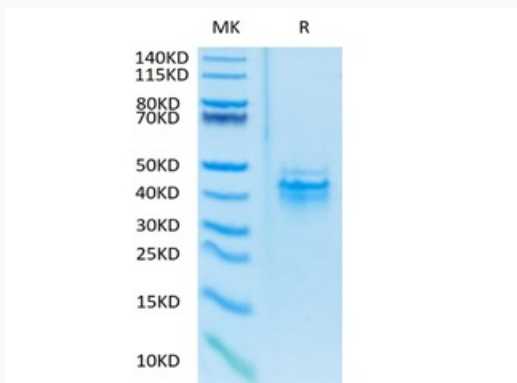
### GENE INFORMATION

|                  |                                                |
|------------------|------------------------------------------------|
| <b>Gene Name</b> | IL12B interleukin 12B [ Homo sapiens (human) ] |
|------------------|------------------------------------------------|

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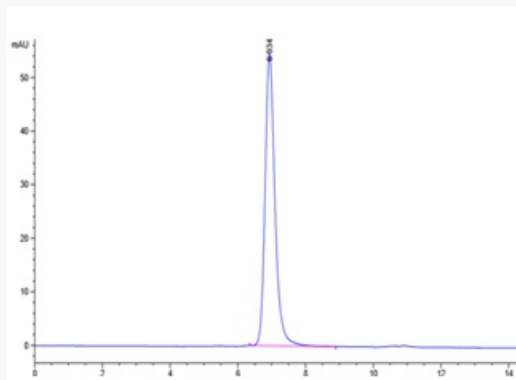
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|                                                                                                                                                                                                                                                                                                                                                                            |                                                |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| <b>Official Symbol</b>                                                                                                                                                                                                                                                                                                                                                     | IL12                                           |
| <b>Synonyms</b>                                                                                                                                                                                                                                                                                                                                                            | CLMF; NKSF; CLMF2; IMD28; IMD29; NKSF2; IL-12B |
| <b>Gene ID</b>                                                                                                                                                                                                                                                                                                                                                             | 3593                                           |
| <b>mRNA Refseq</b>                                                                                                                                                                                                                                                                                                                                                         | NM_002187.3                                    |
| <b>Protein Refseq</b>                                                                                                                                                                                                                                                                                                                                                      | NP_002178.2                                    |
| <b>MIM</b>                                                                                                                                                                                                                                                                                                                                                                 | 161561                                         |
| <b>UniProt ID</b>                                                                                                                                                                                                                                                                                                                                                          | P29460                                         |
| <p><b>Tris-Bis PAGE of IL12-433H</b></p>  <p>The image shows a Tris-Bis PAGE gel. On the left, molecular weight markers (MK) are indicated at 140KD, 115KD, 80KD, 70KD, 50KD, 40KD, 30KD, 25KD, 15KD, and 10KD. On the right, a single band (R) is visible at approximately 43 kDa.</p> |                                                |



**SEC-HPLC of IL12-  
433H**



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