

# Active Recombinant Human IL26 Protein (Lys22-Gln171), C-His tagged, Animal-free, Carrier-free

**Cat. No.** IL26-252H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human IL26 Protein (Lys22-Gln171) 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>    | Lys22-Gln171                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>      | Interleukin 26 (IL-26) predicts a molecular mass of 19.8 kDa, is expressed in certain herpesvirus-transformed T cells but not in primary stimulated T cells. T helper 1 cells and Th17 memory CD4+ cells are the major sources of IL-26. More accurately, IL-26 is expressed by pro-inflammatory IL-17 producing T cells in chronically inflamed tissues. |
| <b>Form</b>             | Lyophilized                                                                                                                                                                                                                                                                                                                                               |
| <b>Bio-activity</b>     | Measure by its ability to induce IL-10 secretion in COLO205 cells. The ED50 for this effect is < 150 ng/mL.                                                                                                                                                                                                                                               |
| <b>Molecular Mass</b>   | The protein has a calculated MW of 18.53 kDa.<br>The protein migrates as 18 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 2 weeks 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>       | IL26 interleukin 26 [ Homo sapiens (human) ]               |
| <b>Official Symbol</b> | IL26                                                       |
| <b>Synonyms</b>        | IL26; interleukin 26; interleukin-26; AK155; IL 26; IL-26; |
| <b>Gene ID</b>         | 55801                                                      |
| <b>mRNA Refseq</b>     | NM_018402                                                  |
| <b>Protein Refseq</b>  | NP_060872                                                  |
| <b>MIM</b>             | 605679                                                     |

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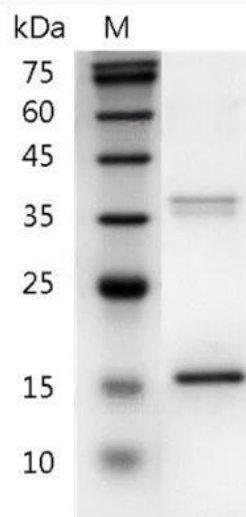
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UniProt ID

Q9NPH9

**SDS-PAGE analysis  
of recombinant  
human IL-26.**



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