

## Active Recombinant Human IL20 Protein (Leu25-Glu176), C-His tagged, Animal-free, Carrier-free

Cat. No. IL20-240H    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                             |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human IL20 Protein (Leu25-Glu176) 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-Glu176                                                                                                                                                                                                                                                                                |
| <b>Description</b>      | Interleukin 20 (IL-20) predicts a molecular mass of 17.6 kDa. The IL-20 subfamily of cytokines is comprised of IL-19, IL-20, IL-22, IL-24, and IL-26. It regulates of differentiation of keratinocytes during inflammation, the expansion of multipotential hematopoietic progenitor cells. |
| <b>Form</b>             | Lyophilized                                                                                                                                                                                                                                                                                 |
| <b>Bio-activity</b>     | Measure by its ability to chemoattract BaF3 cells transfected with human IL-20R alpha and IL-20R beta. The ED50 for this effect is < 0.2 ng/mL.                                                                                                                                             |
| <b>Molecular Mass</b>   | The protein has a calculated MW of 18.47 kDa.<br>The protein migrates as 16 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 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>       | IL20 interleukin 20 [ Homo sapiens (human) ]                                                                               |
| <b>Official Symbol</b> | IL20                                                                                                                       |
| <b>Synonyms</b>        | IL20; interleukin 20; interleukin-20; IL 20; IL10D; ZCYTO10; cytokine Zcyto10; four alpha helix cytokine; IL-20; MGC96907; |
| <b>Gene ID</b>         | 50604                                                                                                                      |
| <b>mRNA Refseq</b>     | NM_018724                                                                                                                  |
| <b>Protein Refseq</b>  | NP_061194                                                                                                                  |

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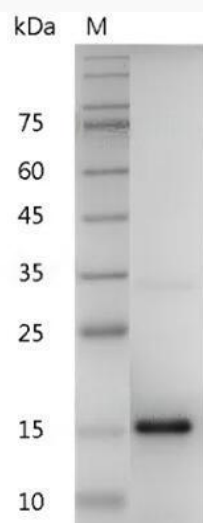
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MIM 605619

UniProt ID Q9NYY1

SDS-PAGE analysis  
of recombinant  
human IL-20.



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