

# Active Recombinant Human interleukin 17B, MIgG2a Fc-tagged

**Cat. No.** IL17B-315H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | The extracellular domain of human IL-17B(AAI13926.1)(Gln21-Phe180) is fused to the N-terminus of the Fc region of mouse IgG2a was expressed in CHO cell.                                                                                                                                                                                                          |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | CHO                                                                                                                                                                                                                                                                                                                                                               |
| <b>ProteinLength</b>    | 21-180 a.a.                                                                                                                                                                                                                                                                                                                                                       |
| <b>Description</b>      | The protein encoded by this gene is a T cell-derived cytokine that shares sequence similarity with IL17. This cytokine was reported to stimulate the release of TNF alpha (TNF) and IL1 beta (IL1B) from a monocytic cell line. Immunohistochemical analysis of several nerve tissues indicated that this cytokine is primarily localized to neuronal cell bodies |
| <b>Form</b>             | Lyophilized from 0.2µm-filtered solution in PBS.                                                                                                                                                                                                                                                                                                                  |
| <b>Bio-activity</b>     | Measured by its ability to induce IL-8 secretion.                                                                                                                                                                                                                                                                                                                 |
| <b>Molecular Mass</b>   | 44KDa (monomer)                                                                                                                                                                                                                                                                                                                                                   |
| <b>AA Sequence</b>      | Gln21-Phe180                                                                                                                                                                                                                                                                                                                                                      |
| <b>Endotoxin</b>        | <0.06 eu/µg="" as="" determined="" by="" la="">                                                                                                                                                                                                                                                                                                                   |

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|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>         | >98%, by SDS-PAGE under reducing conditions.                                                                                        |
| <b>Stability</b>      | Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C. |
| <b>Reconstitution</b> | Reconstitute at 100µg/ml in sterile PBS.                                                                                            |
| <b>Warning</b>        | Avoid freeze/thaw cycles.                                                                                                           |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                                                        |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | IL17B interleukin 17B [ Homo sapiens ]                                                                                                                                                                                                                                                                                                 |
| <b>Official Symbol</b> | IL17B                                                                                                                                                                                                                                                                                                                                  |
| <b>Synonyms</b>        | IL17B; interleukin 17B; interleukin-17B; IL 17B; IL 20; MGC138900; MGC138901; neuronal interleukin 17 related factor; NIRF; ZCYTO7; interleukin 20; interleukin-20; cytokine Zcyto7; interleukin-17 beta; cytokine-like protein ZCYTO7; neuronal interleukin-17 related factor; neuronal interleukin-17-related factor; IL-20; IL-17B; |
| <b>Gene ID</b>         | 27190                                                                                                                                                                                                                                                                                                                                  |
| <b>mRNA Refseq</b>     | NM_014443                                                                                                                                                                                                                                                                                                                              |
| <b>Protein Refseq</b>  | NP_055258                                                                                                                                                                                                                                                                                                                              |
| <b>MIM</b>             | 604627                                                                                                                                                                                                                                                                                                                                 |
| <b>UniProt ID</b>      | Q9UHF5                                                                                                                                                                                                                                                                                                                                 |
| <b>Chromosome</b>      | 5q33.1                                                                                                                                                                                                                                                                                                                                 |

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|          |                                                                                                                                   |
|----------|-----------------------------------------------------------------------------------------------------------------------------------|
| Location |                                                                                                                                   |
| Pathway  | Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; |
| Function | cytokine activity;                                                                                                                |

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