

## Interleukin 17B (IL17B) Active Protein | IL17B active protein

Active Interleukin 17B (IL17B)

|                               |                       |                            |                                                     |
|-------------------------------|-----------------------|----------------------------|-----------------------------------------------------|
| CATALOG #<br><b>AAA148225</b> | HOST<br><b>E Coli</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Activity Assay, Cell Culture</b> |
|-------------------------------|-----------------------|----------------------------|-----------------------------------------------------|

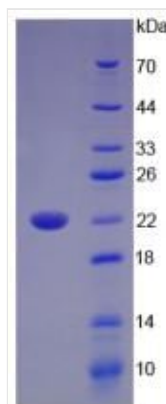
### PRODUCT SYNONYMS

Interleukin 17B (IL17B); Active Interleukin 17B (IL17B); IL-20; Cytokine Zcyto7; Neuronal interleukin-17-related factor; IL17B active protein

### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                     |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| Host                                             | E Coli                                                                                              |
| Reactivity                                       | Human                                                                                               |
| Purity/Purification                              | > 95%                                                                                               |
| Form/Format                                      | Freeze-dried powder                                                                                 |
| Sequence Length                                  | 128                                                                                                 |
| Applicable Applications for IL17B active protein | Activity Assay, Cell Culture                                                                        |
| Tag                                              | N-terminal His Tag                                                                                  |
| Buffer Formulation                               | 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300. |
| Fragment                                         | Gln21~Phe180                                                                                        |
| Isoelectric Point                                | 9.7                                                                                                 |

### IMAGES



SDS-PAGE

| Sample<br>(cell supernatant of A549 cells) | O.D. value | Corrected | Concentration of IL-6<br>(ng/mL) |
|--------------------------------------------|------------|-----------|----------------------------------|
| stimulated with IL17B (250ng/mL)           | 0.83       | 0.80      | 1.19                             |
| stimulated with IL17B (500ng/mL)           | 0.94       | 0.91      | 1.36                             |
| unstimulated                               | 0.56       | 0.53      | 0.80                             |

#### Activity

IL17B (Interleukin-17B) is a T cell-derived cytokine that shares sequence similarity with IL17, which has been proven to mediate potent inflammatory immune response. Besides, increasing evidence suggests that IL17 may play a critical role in various kinds of liver diseases, including hepatocellular carcinoma. Thus a stimulation assay has been conducted to detect the bioactivity of IL17B. HepG2 cells were seeded into 24-well plate at a density of  $1 \times 10^5$  cells/mL, and allowed to attach overnight before treated with or without certain concentrations (250ng/mL, 500ng/mL) of IL17B for 20h and IL-8 levels in the cell supernatant were determined by ELISA.

### ADDITIONAL INFORMATION

|                                                    |                              |
|----------------------------------------------------|------------------------------|
| Product Categories/Family for IL17B active protein | Cytokine; Infection immunity |
|----------------------------------------------------|------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                         |
|----------------------------------|-------------------------------------------------------------------------|
| NCBI GI #                        | 966209851                                                               |
| NCBI GeneID                      | 27190                                                                   |
| NCBI Accession #                 | NP_001304916.1                                                          |
| NCBI GenBank Nucleotide #        | NM_001317987.1                                                          |
| UniProt Accession #              | Q9UHF5; Q14CE5                                                          |
| Molecular Weight                 | Predicted Molecular Weight: 22.1kDa<br>Accurate Molecular Weight: 20kDa |
| NCBI Official Full Name          | interleukin-17B isoform 2                                               |
| NCBI Official Synonym Full Names | interleukin 17B                                                         |
| NCBI Official Symbol             | IL17B                                                                   |
| NCBI Official Synonym Symbols    | NIRF; IL-20; IL-17B; ZCYTO7                                             |
| NCBI Protein Information         | interleukin-17B                                                         |
| UniProt Protein Name             | Interleukin-17B                                                         |
| UniProt Gene Name                | IL17B                                                                   |
| UniProt Synonym Gene Names       | IL20; NIRF; ZCYTO7; IL-17B; IL-20                                       |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/e-coli-human-active-protein/interleukin-17b-il17b/148225>