

## Mouse recombinant IL-17B (Interleukin-17B) protein, AF

Catalog Number: PROTQ9QXT6

### Overview

|              |                                                                                                                                                                                                                                                                                                                                                                       |
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| Product Name | Mouse recombinant IL-17B (Interleukin-17B) protein, AF                                                                                                                                                                                                                                                                                                                |
| Description  | Interleukin 17B (IL-17B) predicts a molecular mass of 20.4 kDa, is expressed in several peripheral tissues and immune tissues. In contrast to the high level of IL-6 secretion stimulated by IL-17A, IL-17B failed to induce IL-6 secretion in fibroblasts; however, it significantly enhanced the TNF-alpha-induced production of G-CSF and IL-6 in the fibroblasts. |
| Size         | 5ug,20ug,100ug                                                                                                                                                                                                                                                                                                                                                        |
| Tag          | His Tag (C-term)                                                                                                                                                                                                                                                                                                                                                      |
| Form         | Lyophilized                                                                                                                                                                                                                                                                                                                                                           |
| Source       | Escherichia coli                                                                                                                                                                                                                                                                                                                                                      |
| Formulation  | The protein was lyophilized from a 0.2 um filtered solution containing 1X PBS, pH 7.4. If you have any concerns or special requirements, please confirm with us.                                                                                                                                                                                                      |

### Storage

Lyophilized protein should be stored at -20°C for 1 year. Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months. Avoid repeated freeze/thaw cycles.

### Purity

>98% as determined by SDS-PAGE.

### Molecular weight

The protein has a calculated MW of 18.99 kDa. The protein migrates as 17-25 kDa under reducing condition (SDS-PAGE analysis).

### Activity

Measure by its ability to induce IL-8 secretion in HepG2 cells. The ED<sub>50</sub> for this effect is <1.5 ng/mL.

### Endotoxin

<0.1 EU per 1 ug of the protein by the LAL method.

### Amino Acid Sequence

MHPRNTKGKRKGQGRPSPLAPGPHQVPLDLVSRVKPYARMEEYERNLGEMVAQLRNSSEPAKKKCEVNLQLWLSNKRSLSPWGYSINHDPSRIPADLP  
EARCLCLGCVNPFTMQEDRSMVSPVFSQVPVRRRLCPQPPRPGPCRQRVVMETIAVGCTCIF with polyhistidine tag at the C-terminus.

### Reconstitution

Centrifuge at 3000 rpm for 5 mins before opening. It is recommended to reconstitute the lyophilized protein in sterile H<sub>2</sub>O to a concentration not less than 100 ug/mL and incubate the stock solution at room temperature for at least 20 mins to ensure sufficient re-dissolved. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

## Usage

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