

## Recombinant Human IL-17B (Interleukin-17B)

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### Product Description

IL-17B is a disulfide-linked homodimer of two 161 amino acid polypeptide chains. It belongs to the IL-17 family of structurally-related cytokines that share a highly conserved C-terminal region, but differ from one another in their N-terminal regions and in their distinct biological roles. The six known members of this family, IL-17A through IL-17F, are secreted as homodimers. IL-17B is expressed by T-cells, and has been shown to stimulate release of TNF- $\alpha$  and IL-1 $\beta$  from cells of the monocyte lineage. Recombinant Human IL-17B is a 36.6 kDa non-disulfide-linked homodimer of two 161 amino acid polypeptide chains.

### Typical Specifications

<b>Species</b>	Human
<b>Expression</b>	E. coli Cell Expressed
<b>Purity</b>	≥98%
<b>Endotoxin</b>	<1.0 EU/ $\mu$ g
<b>Molecular Mass</b>	36.6 kDa
<b>Formulation</b>	1x PBS, pH 7.5
<b>Country of Origin</b>	USA

### Purity Confirmation

This was determined by SDS-PAGE gel and HPLC analysis.

### Activity Assay

Determined by its ability to induce IL-8 production in human PBMCs using a concentration range of 10.0-100.0 ng/ml. Results may vary with PBMC donors.

### AA Sequence

MQPRSPKSKR	KGQGRPGPLA	PGPHQVPLDL
VSRMKPYARM	EEYERNIEEM	VAQLRNSEL
AQRKCEVNLQ	LWMSNKRSL	PWGYSINHDP
SRIPVDLPEA	RCLCLGCVNP	FTMQEDRSMV
SVPVFSQVPV	RRRLCPPPPR	TGPCRQRAVM
ETIavgctci	F	

### Reconstitution Buffer

Centrifuge the vial prior to opening.  
Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex.

### Storage

This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% HSA) and store in working aliquots at -20°C to -80°C.

#### Limited Use and Restrictions

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