

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

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### Product Description

IL-17E is a disulfide-linked homodimer of two 145 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-17E stimulates secretion of IL-8, and induces activation of the transcription factor NF-κB in cells that express the IL-17BR receptor. Recombinant Human IL-17E is a 33.8 kDa disulfide-linked homodimer of two 146 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/μg
<b>Molecular Mass</b>	33.8 kDa
<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 in human PBMCs using a concentration range of 10.0-100.0 ng/ml. Results will vary with PBMC donors.

### AA Sequence

MYSHWPSCCP	SKGQDTSEEL	LRWSTVPVPP
LEPARPNRHP	ESCRASEDGP	LNSRAISPWR
YELDRDLNRL	PQDLYHARCL	CPHCVSLQTG
SHMDPRGNSE	LLYHNQTVFY	RRPCHGEKGT
HKGYCLERRL	YRVSLACVCV	RPRVMG

### 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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