HUMANZYME

PRODUCT DATA SHEET

A XKine™ Product

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

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

Species	Human
Expression	E. coli Cell Expressed
Purity	≥98%
Endotoxin	<1.0 EU/μg
Molecular Mass	33.8 kDa
Country of Origin	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.

HumanZyme Inc.
2201 W. Campbell Park Dr. #24 Chicago, IL 60612
Phone: 312.738.0127 | Fax: 312.738.0136
Email: salesandmarketing@humanzyme.com