

Recombinant Rat IL-17E

CATALOG #:	4178E-10 10 µg 4178E-100 100 µg 4178E-1000 1 mg
LOT #:	---
SOURCE:	E. coli
PURITY:	Greater than 95% as determined by reducing and non-reducing SDS-PAGE.
SPECIFIC ACTIVITY:	20-100 ng/ml.
MOLECULAR WEIGHT:	35.5 kDa.
PHYSICAL APPEARANCE:	Sterile Filtered white lyophilized (freeze-dried) powder.
FORM:	Lyophilized with no additives.
RECONSTITUTION	It is recommended to reconstitute the lyophilized product with sterile 10 mM HCl at a concentration of 0.1 mg's/ml. Further dilutions into other buffers can be made.
STORAGE CONDITIONS:	Lyophilized product is very stable at -20 degrees. Reconstituted material should be aliquoted and frozen at -20°C. It is recommended to add a carrier protein (0.1% HSA or BSA) for long term storage.
BACKGROUND DESCRIPTION:	Rat IL-17E (IL-17E), is a proinflammatory cytokine member of a six-species family of proteins (IL-17A-17F). Rat IL-17E protein is a homodimer consisting of two 145 amino acids peptides. Recombinant rat IL-17E produced in E.coli is a non-glycosylated disulfide-joined homodimer having a molecular mass of 35.5 kDa.
ENDOTOXIN LEVEL:	Endotoxin level as measured by LAL is <0.01 ng/µg or <0.1 EU/µg.
ACTIVITY:	Recombinant rat IL-17E has full activity when compared to standard. Activity was measured by the dose-dependent induction of mouse IL-5 production in cultured mouse splenocytes which is typically 20-100 ng/ml.
PROTEIN CONTENT:	Determination by UV spectroscopy at 280 nm. Quantitation on SDS-PAGE against a known standard

AA SEQUENCE:

CSHLPRCCPS KQQEFPEEWL KWNPAVSP
EPLRHTHHPE SCRASKDGPL NSRAISPWSY
ELDRDLNRVP QDLYHARCLC PHCVSLQTGS
HMDPMGNSVP LYHNQTVFYR RPCHGEQGAH
GRYCLERRLY RVSLACVCVR PRMMA

FOR RESEARCH USE ONLY! Not to be used in humans.

RELATED PRODUCTS:

- IL-17, murine recombinant (**Cat. No. 4177-10**)
- IL-17A, human recombinant (**Cat. No. 4176-25**)
- IL-17A, rat recombinant (**Cat. No. 4178-10, 1000**)
- IL-17A/F, human recombinant (**Cat. No. 4176AF-10, 50**)
- IL-17E, human recombinant (**Cat. No. 4176E-1000**)
- IL-17F, human recombinant (**Cat. No. 4176F-25, 1000**)