

Active Recombinant Rat Interleukin-17E (IL-25)

Cat. No. IL25-495R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant rat IL-17E produced in E.coli is a nonglycosylated disulfide-joined homodimer having a molecular mass of 35.5 kDa.
Species	Rat
Source	E.coli
Description	Rat IL-17E (IL-17), 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.
Form	Lyophilized with no additives.
Purity	Purity Greater than 97% as determined by: Reducing and non-reducing SDS-PAGE.
Bio-activity	Rat IL-17E activity is measured by the dose-dependent induction of mG-CSF production in cultured NIH 3T3 cells. The dose range for this activity is 10-100ng/ml.
Physical Appearance	Sterile Filtered white lyophilized (freeze-dried) powder.
Solubility	It is recommended to reconstitute the lyophilized product with sterile 20 mM HCl at a concentration of 0.1 mg/μs/ml. Further dilutions into other buffers can be made.
Purity Greater than 97% as determined	Reducing and non-reducing SDS-PAGE.

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Protein Content determined by	UV spectroscopy at 280 nm. Quantitation on SDS-PAGE against a known standard.
Endotoxin Level	Endotoxin level as measured by LAL is <0.01ng/ug or <0.1EU/ug.
Amino acid sequence	CSHLPRCCPS KQQEFPEEWL KWNPAVSP EPLRHTHHPE SCRASKDGPL NSRAISPWSY ELDRDLNRVP QDLYHARCLC PHCVSLQTGS HMDPMGNSVP LYHNQTVFYR RPCHGEQGAH GRYCLERRLY RVSLACVCVR PRMMA
Storage	Lyophilized product is very stable at -20 degrees. Reconstituted material should be aliquoted and frozen at -20. It is recommended to add a carrier protein (0.1% HSA or BSA) for long term storage.

GENE INFORMATION

Gene Name	IL25 interleukin 25 [Rattus norvegicus]
Official Symbol	IL25
Synonyms	IL25; interleukin 25; RGD1561632; rgd1561632_predicted; similar to IL25; similar to il25 (predicted); similar to IL25 (predicted); RGD1561632_predicted; LOC501996
Gene ID	501996
mRNA Refseq	XM_577423
Protein Refseq	XP_577423
Chromosome Location	15p13

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Pathway	Cytokine-cytokine receptor interaction
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Function	cytokine activity
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