

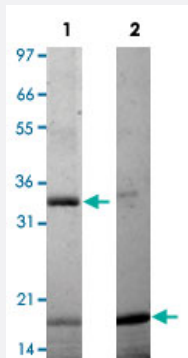
Bioactive

# IL25 (Rat) Recombinant Protein

Catalog # P4845

Size 10 ug

## Applications



Lane 1: non-reducing conditions

Lane 2: reducing conditions

## Specification

### Product Description

Rat IL25 recombinant protein expressed in *Escherichia coli*.

### Sequence

MCSHLPRCCPSKQQEFPEEWLKWNPAPVSPPEPLRHTHPESCRASKDGPLNSRAISPWSYEL  
DRDLNRVPQDLYHARCLCPHCVSLQTGSHMDPMGNSVPLYHNQTVFYRRPCHGEQGAHGRYCL  
ERRLYRVSLACVCVRPRMMA

### Host

Escherichia coli

### Theoretical MW (kDa)

35.5

### Form

Lyophilized

### Preparation Method

*Escherichia coli* expression system

### Endotoxin Level

&lt; 0.1 EU/ug

### Activity

The activity is determined by the dose-dependent induction of human IL-8 production from human PB MCs. The expected ED<sub>50</sub> for this effect is 25-37.5 ng/mL.

### Quality Control Testing

1 ug/lane in 4-20% Tris-Glycine gel stained with Coomassie Blue  
Lane 1: non-reducing conditions  
Lane 2: reducing conditions

**Storage Buffer**

No additive

**Storage Instruction**

Store at -20°C on dry atmosphere.  
After reconstitution with sterilized 20 mM HCl, store at -20°C.  
Aliquot to avoid repeated freezing and thawing.

## Applications

- Functional Study
- SDS-PAGE

## Gene Info — IL25

**Entrez GeneID**[64806](#)**Protein Accession#**[D3ZLB1](#)**Gene Name**

IL25

**Gene Alias**

IL-17E, IL-25, IL17E

**Gene Description**

interleukin 25

**Omim ID**[605658](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The protein encoded by this gene is a cytokine that shares the sequence similarity with IL17. This cytokine can induce NF-kappaB activation, and stimulate the production of IL8. Both this cytokine and IL17B are ligands for the cytokine receptor IL17BR. Studies of the similar gene in mice suggested that this cytokine may be a proinflammatory cytokine favoring Th2-type immune response. Two alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported. [provided by RefSeq]

**Other Designations**

interleukin 17E

## Pathway

- [Cytokine-cytokine receptor interaction](#)