

## Datasheet for ABIN7520197

### IL-25 Protein (His tag)

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#### Overview

Quantity:	100 µg
Target:	IL-25 (IL25)
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL-25 protein is labelled with His tag.

#### Product Details

Purpose:	Recombinant Mouse IL-17E Protein
Sequence:	VSLRIQEGCS HLPSCCPSKE QEPPEEWLKW SSASVSPPEP LSHTHHAESC RASKDGPLNS RAISPWSYEL DRDLNRVPQD LYHARCLCPH CVSLQTGSHM DPLGNSVPLY HNQTVFYRRP CHGEEGTHRR YCLERRLYRV SLACVCVRPR VMA
Specificity:	Val 17-Ala 169
Purity:	> 92 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	<0.01EU/µg

#### Target Details

Target:	IL-25 (IL25)
Alternative Name:	IL-17E ( <a href="#">IL25 Products</a> )

## Target Details

Background:	<p>Description: Interleukin-25 (IL-25) is a cytokine that shares sequence similarity with interleukin 17. This cytokine can induce NF-kappaB activation, and stimulate the production of interleukin 8. Both this cytokine and interleukin 17B are ligands for the cytokine receptor IL17BR. IL-25 is a member of the IL-17 family of cytokines. However, unlike the other members of this family, IL-25 promotes T helper (Th) 2 responses. IL-25 also regulates the development of autoimmune inflammation mediated by IL-17-producing T cells. IL-25 and IL-17, being members of the same cytokine family, play opposing roles in the pathogenesis of organ-specific autoimmunity. IL-25 promotes cell expansion and Th2 cytokine production when Th2 central memory cells are stimulated with thymic stromal lymphopoietin (TSLP)-activated dendritic cells (DCs), homeostatic cytokines, or T cell receptor for antigen triggering. Elevated expression of IL-25 and IL-25R transcripts was observed in asthmatic lung tissues and atopic dermatitis skin lesions, linking their possible roles with exacerbated allergic disorders. A plausible explanation that IL-25 produced by innate effector eosinophils and basophils may augment the allergic inflammation by enhancing the maintenance and functions of adaptive Th2 memory cells had been provided.</p> <p>Name: IL-25, IL17e, IL-17e</p>
Gene ID:	140806
UniProt:	<a href="#">Q8VHH8</a>

## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Concentration:	1.05 mg/mL
Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Storage:	-20 °C, -80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80°C for 12 months.   After reconstitution, the protein

solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.