

Active Recombinant Mouse Il25 Protein, His-Tagged

Cat. No. Il25-01M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Il25 Protein, His-tagged was expressed in E. coli cell
Species	Mouse
Source	E.coli
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.
Form	Lyophilized powder
AA Sequence	MVSLRIQEGCSHLPSCCPSKEQEPPEEWLKWSSASVSPPEPLSHTTHAESCRASK DGPLNSRAISPWSYELDRDLNRVPQDLYHARCLCPHC VSLQTGSHMDPLGNSVPLYHNQTVFYRRPCHGEEGTHRRYCLERRLYRVSLACVC VRPRVMA with polyhistidine tag at the C-terminus
Endotoxin	<0.1 EU per 1 µg of the protein by the LAL method.
Bio-activity	Measured by its ability to induce CXCL1 secretion in HT-29 cells. The ED50 for this

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	effect is <1 ng/mL.
Purity	>98% as determined by SDS-PAGE. Ni-NTA chromatography
Storage Buffer	The protein was lyophilized from a solution containing 20 mM sodium citrate, 0.2 M NaCl, pH 4.5.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
Notes	Please use within one month after protein reconstitution.

GENE INFORMATION

Gene Name	IL25 interleukin 25 [<i>Mus musculus</i> (house mouse)]
Official Symbol	IL25
Synonyms	IL17e; IL-17e
Gene ID	140806
mRNA Refseq	NM_080729.3
Protein Refseq	NP_542767.1
UniProt ID	Q8VHH8

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