

## Active Recombinant Mouse Il25 Protein, His-Tagged

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

### SPECIFICATION

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	effect is <1 ng/mL.
<b>Purity</b>	>98% as determined by SDS-PAGE. Ni-NTA chromatography
<b>Storage Buffer</b>	The protein was lyophilized from a solution containing 20 mM sodium citrate, 0.2 M NaCl, pH 4.5.
<b>Reconstitution</b>	It is recommended to reconstitute the lyophilized protein in sterile H <sub>2</sub> 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.
<b>Storage</b>	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
<b>Notes</b>	Please use within one month after protein reconstitution.

## GENE INFORMATION

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

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