

Animal-Free IL-25/IL-17E Protein, Mouse (His)

Cat. No.:	HY-P700201AF
Synonyms:	Interleukin-25; IL-25; Interleukin-17E; IL-17E
Species:	Mouse
Source:	E. coli
Accession:	Q8VHH8 (V17-A169)
Gene ID:	140806
Molecular Weight:	Approximately 18.41 kDa

PROPERTIES

AA Sequence	<p>M V S L R I Q E G C S H L P S C C P S K E Q E P P E E W L K W S S A S V S P P E</p> <p>P L S H T H H A E S C R A S K D G P L N S R A I S P W S Y E L D R D L N R V P Q</p> <p>D L Y H A R C L C P H C V S L Q T G S H M D P L G N S V P L Y H N Q T V F Y R R</p> <p>P C H G E E G T H R R Y C L E R R L Y R V S L A C V C V R P R V M A</p>
Biological Activity	Measured by its ability to induce CXCL1 secretion in HT- 29 cells. The ED ₅₀ for this effect is ≤1 ng/mL.
Appearance	Lyophilized powder
Formulation	Lyophilized from a solution containing 20 mM sodium citrate, 0.2 M NaCl, pH 4.5.
Endotoxin Level	<0.1 EU per 1 µg of the protein by the LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	<p>and is also produced by various immune cells such as CD8⁺ T cells, mast cells, macrophages, dendritic cells (DCs), eosinophils, basophils, group 2 innate lymphoid cells (ILC2s), epithelial and endothelial cells^{[1][2][3][4][5][6]}. IL-25 exerts signal transduction through receptors composed of IL17RA and IL17RB^[7]. IL-25 induces the expression of IL-4, IL-5, IL-13, TGF-β, and G-CSF^{[8][9]}. IL-25 can stimulate cell proliferation, inhibition of apoptosis, production of inflammatory cytokines and chemokines, modulation of cell-cell adhesion, and cell motility in nonimmune cells^{[10][11][12][13]}. IL-25 activates NF-κB, MAPKs and JAK/STATs signaling pathways^{[1][14]}. The sequence homology of IL-25 between human and mouse, mouse and rat is 78.88% and 91.12% respectively.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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