

IL-25/IL-17E/IL17e, Mouse, Recombinant

Cat. No. : PCK327

General Information

Synonyms	IL-17E;IL17e
Species	Mouse
Expression host	E.coli
Sequence	MVSLRIQEGCSHLPSCCPSKEQEPPEEWLKWSSASVSPPEPLSHTTHAESCRASKDGPLNSRA ISPWSYELDRDLNRVPQDLYHARCLCPHCVSLQTGSHMDPLGNSVPLYHNQTVFYRRPCHGE EGTHRRYCLERRLYRVSLACVCVRPRVMA with polyhistidine tag at the C-terminus.
Accession	Q8VHH8.1
Tag	His-tag at the C-terminus
Mol mass	18.41 kDa
Expiration date	12 months
Bio activity	Measured by its ability to induce CXCL1 secretion in HT ²⁹ cells. The ED ₅₀ for this effect is < 1 ng/mL

Product feature

Purity	> 98% as determined by SDS-PAGE. Ni-NTA chromatography.
Endotoxin (EU/μg)	< 0.1
Storage	Lyophilized protein should be stored at -5~-20°C for 1 year. Upon reconstitution, store at 2-8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10% FBS, 5% HSA or 5% trehalose solution), protein aliquots should be stored at -5~-20°C or -80°C for 3-6 months.
Shipping	Ice bag
Formulation	The protein was lyophilized from a 0.2 μm filtered solution containing 20 mM sodium citrate, 0.2 M NaCl, pH 4.5.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 μg/mL. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

Background

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.

SDS-PAGE

