

RPCB1160

Product Information

Product SKU: RPCB1160 **Gene ID:** 64806 **Size:** 10µg
Tag: C-6His **Reactivity:** human

Additional Information

Expression Host: HEK293 cells **Swissprot:** Q9H293
Purity: -

Protein Information

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. 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.

Protein Description: High quality, high purity and low endotoxin recombinant Recombinant human IL-25/IL-17E Protein, tested reactivity in HEK293 cells and has been validated in SDS-PAGE. 100% guaranteed.

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Endotoxin: < 0.1EU/μg

Formulation: Lyophilized from a 0.22 μm filtered solution of 20 mM Tris,150 mM NaCl,1 mM EDTA,pH8.0

Storage: Store at -20°C.Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.