9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
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IL-17E Human, HEK

Interleukin-17E Human Recombinant, HEK
CYK0381

Product Overview

Name	IL-17E Human, HEK
Description	
Interleukin-17E Human Recombinant, HEK	
Accession (Primary)	Q9H293
Synonyms	
interleukin-25 isoform 1, interleukin 25, IL17E, IL-17E, IL25, IL-25, interleukin-17E, interleukin-25.	
Introduction	
IL-17Ealso called IL-25,has a sequence similarity with IL17. IL-17E indluces NF-kappaB activation, and stimulates the production of IL-8. IL17E and IL17B are ligands for the cytokine receptor IL17BR. IL-25 is a proinflammatory cytokine favoring Th2-type immune response. The upregulation of costimulation-induced IL-17E receptors and release of cytokines and chemokines from IL-17E treated costimulated Th cells are differentially regulated by intracellular JNK, p38 MAPK and NF-kappaB activity. Blocking Iinterleukin-25 prevents airway hyperresponsiveness, a critical feature of clinical asthma. IL25 produced by innate effector eosinophils and basophils increase the allergic inflammation by enhancing the maintenance and functions of TSLP-DC activated adaptive Th2 memory cells. Over expression of IL-25 up-regulates gene expression of Th2 cytokines and induces growth retardation, jaundice, and multiorgan inflammation in a transgenic mouse model. IL-25 contributes to the induction and maintenance of eosinophilic inflammation by acting on lung fibroblasts which supports the fact that IL-17E is an important factor in asthma pathophysiology. IL-17E operates by amplifying TH2 cell-mediated allergic airway inflammation but doesn’t induce allergic inflammation in vivo.	
Source	
HEK293 .	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
IL-17E protein (0.5mg/ml) contains Phosphate-Buffered Saline (pH 7.4) and 20% glycerol.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	

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Greater than 95.0% as determined by SDS-PAGE.

Amino acid sequence

DGSYSHWPSC CPSKGQDTSE ELLRWSTVPV PPLEPARPNR HPESCRASED GPLNSRAISP WRYELDRDLN RLPQDLYHAR CLCPHCVSLQ TGSHMDPRGN SELLYHNQTV FYRRPCHGEK GTHKGYCLER RLYRVSLACV CVRPRVMG HH HHHH

Biological Activity

Measured by its binding ability in a functional ELISA with Human IL-17 RB.

Precautions

IL-17E Human, HEK is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9H293)