



Recombinant Human IL-17E / IL-25
(Interleukin-17E)

Catalog Number: 100-149
Accession Number: Q9H293

Specifications and Uses:

Alternate Names: IL-25

Description:

Interleukin-17E (IL-17E), also commonly called IL-25, is a pro-inflammatory cytokine member of a six-species family of proteins (IL-17A-17F). IL-17F stimulates secretion of IL-8 and induces activation of NF- κ B by binding to the receptor IL-17RB. Recombinant human IL-17E is a non-glycosylated, disulfide-linked, homodimer, containing two 145 amino acid chains, with a total molecular weight of 35.5 kDa.

Source: *E.coli*

Physical Appearance: Sterile filtered white lyophilized (freeze-dried) powder.

Formulation and Stability:

Recombinant human IL-17E is lyophilized with no additives.

Lyophilized product is very stable at -20°C. Reconstituted material should be aliquoted and frozen at -20°C. It is recommended that a carrier protein (0.1% HSA or BSA) is added for long term storage.

Reconstitution:

Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile **10 mM HCl** at a concentration of 0.1 mg/mL before further dilutions into other buffers can be made.

Protein Content and Purity (typically \geq 95%) determined by:

HPLC, Reducing and Non-reducing SDS-PAGE, UV spectroscopy at 280 nm

Endotoxin Level:

Measured by kinetic LAL analysis and is typically \leq 1 EU/ μ g protein.

Biological Activity:

The activity is determined by the dose-dependant production of IL-8 from cultured human PBMCs and is typically 10-100 ng/mL.

AA Sequence:

YSHWPSCCPKSGQDTSEELLRWSTVPVPPLEPARPNRHPESCRASEDGPLNSRAISPWRYELDRDLNRLPQDLYHAR
CLCPHCVSLQTGSHMDPRGNSELLYHNQTVFYRRPCHGEKGTHTKGYCLERRLYRVSLACVCRPRVMG

THIS PRODUCT IS FOR RESEARCH USE ONLY AND IS NOT FOR USE IN HUMANS!

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