



## Recombinant Human IL-17E (Interleukin 17E) GMP, CF Datasheet

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**Catalog Number:** PR15129CF

**Product Type:** Recombinant Protein

**Source:** *E. coli*-derived human IL-17E/IL-25 protein  
Tyr33-Gly177, with an N-terminal Met  
Manufactured and tested under cGMP  
guidelines.

**Description:** The Interleukin-17 (IL-17) family of proteins are immunoregulatory cytokines that share a conserved cysteine-rich region. IL-17E, which is also known as IL-25, promotes Th2-biased immune responses. This is in contrast to other IL-17 family members which promote Th1- and Th17-biased inflammation. IL-25 is an important mediator of allergic reactions and protection against intestinal parasites. IL-25 acts on a variety of cell types which respond with increased production of Th2 cytokines (e.g. IL-4, IL-5, IL-13) and reduced production of Th1 and Th17 cytokines. IL-25 also promotes vascular endothelial cell proliferation and assembly into tubular structures. It supports the integrity of the blood-brain barrier and limits CD4+ T cell infiltration into the brain.

**Molecular Mass:** 17 kDa (monomer)

**Purity:** Greater than 97.0%, by SDS-PAGE with silver staining, under reducing conditions.

**Biological Activity:** Measured by its ability to induce CXCL1/GRO alpha secretion in HT-29 human colon adenocarcinoma cells. The ED50 for this effect is 0.25-1.5 ng/mL.

**Format:** Lyophilized from a 0.2 µm filtered solution in Acetonitrile and TFA.

**Reconstitution:** Reconstitute at 100 µg/mL in sterile 4 mM HCl.

**Storage:** This product can be stored for up to 1 month at 2°C to 8°C under sterile condition after reconstitution for up to 3 months at -20°C to -70°C under sterile condition after reconstitution, or for up to 12 months at -20°C to -70°C, as supplied. Avoid freeze-thaw cycles.

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