

Recombinant Human IL17F

Cat No:HR2R1554

For research use only

Overview

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| Quantity | 25 ?g |
| Gene Symbol | IL17F |
| Gene ID | 112744 |
| Accession | Q96PD4 |
| Alternative Name | Cytokine ML-1 |
| Species | Human |
| Source | E. coli |
| Description | Interleukin 17F is a disulfide-linked homodimeric protein belonging to the IL-17 family of proinflammatory cytokines. Members belonging to this family share conserved features of cysteine-knot structures but differ in their N-terminal regions. The T-helper cell produced IL-17 family is inducible by IL15 and IL23, and IL17F induces T-cell and PBMC activation and proliferation. It also performs cartilage matrix turnover and angiogenesis prevention. Out of the IL-17 family, IL17F is the most homologous to IL17 and dimerizes in a way similar to that of nerve growth factors (NGF) and other neurotrophins. |
| Functions | The ED50 is 8.0-40.0ng/mL as determined by its ability to induce IL-6 secretion by NIH-3T3 mouse embryonic fibroblast cells |
| Formulation | Lyophilized from a 0.2 ?m filtered solution in Acetonitrile and TFA (with BSA as a carrier protein) |
| Solubility | Reconstitute in sterile 4mM HCl at 25?g/mL (containing at least 0.1% human or bovine serum albumin) |
| Appearance | Lyophilized Powder |
| Molecular Weight | 15.2 |
| Purity | >95% as determined by SDS-PAGE |
| Concentration | <1.0 EU/?g of recombinant protein as determined by the LAL method |
| Shipping Condition | Ambient Temperature |
| Storage Condition | The lyophilized protein is stable for at least one year from date of receipt at -70?C. Upon reconstitution, this cytokine can be stored in working aliquots at 2? - 8?C for one month, or at -20?C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles. |