Recombinant Human IL17F

Cat No:HR2R1555

For research use only

Overview

Quantity	1.0 ?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	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.
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.