

Recombinant Human IL17D

Cat No:HR2R1553

For research use only

Overview

Quantity	1.0 ?g
Gene Symbol	IL17D
Gene ID	53342
Accession	Q8TAD2
Alternative Name	Interleukin-27
Species	Human
Source	E. coli
Description	Interleukin 17D is a disulfide-linked homodimer 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 IL17 family is inducible by IL15 and IL23, and IL17D induces expression of endothelial IL6, IL8, and GM-CSF, and inhibits hemopoiesis of myeloid progenitor cells.
Functions	The ED50 is 7.5-37.5 ng/mL as determined by its binding ability in a functional ELISA (at a concentration of 1 ?g/mL)
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 100?g/mL (containing at least 0.1% human or bovine serum albumin)
Appearance	Lyophilized Powder
Molecular Weight	20.5
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.