9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

IL 17F His Human

Interleukin-17F Human Recombinant, His Tag
CYK0273

Product Overview

Name	IL 17F His Human
Description	
Interleukin-17F Human Recombinant, His Tag	
Accession (Primary)	Q96PD4
Synonyms	
Cytokine ML-1, IL-17F, Interleukin-17F precursor, IL17F, ML1, ML-1.	
Introduction	
IL-17F having an accession number of Q96PD4 is a cytokine that shares sequence similarity with IL17. IL-17F is expressed by activated T cells, and has been shown to stimulate the production of several other cytokines, including IL6, IL8, and CSF2/GM_CSF. IL-17F inhibits the angiogenesis of endothelial cells and induce endothelial cells to produce IL2, TGFB1/TGFB, and monocyte chemoattractant protein-1. IL-17F induces stromal cells to produce proinflammatory and hematopoietic cytokines. Intestinal IL17F gene expression is increased in active CD. IL-17A & IL-17F alleles influence the susceptibility to and pathophysiological features of ulcerative colitis independently. IL-17F and MIF gene polymorphisms are significantly associated with the development of functional dyspepsia. The initiation of IL-17F/IL-17R signaling pathway requires the receptor ubiquitination by TRAF6. IL-17F induces expression of IFN-gamma-inducible protein 10 (IP-10) by activating Raf1-mitogen-activated protein kinase 1/2-extracellular-regulated kinase 1/2-p90 ribosomal S6 kinase-cyclic AMP response element-binding protein signaling pathway.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered clear solution.	
Formulation	
The IL 17F His solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 85% as determined by SDS-PAGE.	

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Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MGSHM RKIPK VGHTFFQKPE SCPPVPGGSM KLDIGIINEN QRVSMSRNIE SRSTSPWNYT VTWDPNRYPS EVVQAQCRNL GCINAQGKED ISMNSVPIQQ ETLVVRRKHQ GCSVSFQLEK VLVTVGCTCV TPVIHHVQ

Precautions

IL 17F His Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q96PD4)