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32-1477: mIL 17F Recombinant Protein

Alternative Name : Cytokine ML-1,IL-17F,Interleukin-17F precursor,IL17F,ML1,ML-1.

Description

Source : Escherichia Coli. IL17F Mouse Recombinant produced in E.Coli is a homodimeric, non-glycosylated polypeptide chain containing a total of 266 amino acids and having a molecular mass of 29.8 kDa. The Mouse IL-17F is purified by proprietary chromatographic techniques. 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.

Product Info

Amount :	25 µg
Purification :	Greater than 97.0% as determined by(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Content :	IL17F was lyophilized from a concentrated (1mg/ml) solution containing no additives.
Storage condition :	Lyophilized Murine IL17F although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL17F should be stored at 4°C between 2-7 days and for future use below -18°C.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.
Amino Acid :	RKNPKAGVPALQKAGNCPPLEDNTVRVDIRIFNQNQGISVPREFQNRSSSPWDYNITRDPHRFPSEIAEAQCRH SGCINAQGQEDSTMNSVAIQQEILVLRREPQGCSNSFRLEKMLLKVGCTCVKPIVHQAA.

Application Note

It is recommended to reconstitute the lyophilized Mouse IL17F in sterile 18MÃ□Â©-cm H2O not less than 100Ã□Âµg/ml, which can then be further diluted to other aqueous solutions.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.