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Datasheet for ABIN1096909
IL17F Protein (Homodimer)

Overview

Quantity:	50 µg
Target:	IL17F
Protein Characteristics:	Homodimer
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Application:	Functional Studies (Func)

Product Details

Purpose:	Recombinant Human Interleukin-17F/IL-17F
Sequence:	MRKIPKVGHT FFQKPESCPP VPGGSMKLDI GIINENQRVS MSRNIESRST SPWNYTVTWD PNRYPSEVVQ AQCRNLGCIN AQQKEDISMN SVPIQQETLV VRRKHQGCSV SFQLEKVLVT VGCTCVTPVI HHVQ
Characteristics:	Recombinant Human Interleukin-17F/IL-17F produced in E. coli is a disulfide-linked homodimer of 30.1 kDa, consisting of two non-glycosylated polypeptide chains with 134 amino acids each.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	IL17F
Alternative Name:	il-17f (IL17F Products)
Background:	<p>Interleukin-17 is a potent pro-inflammatory cytokine produced by activated memory T cells. There are at least six members of the IL-17 family in humans and in mice. Today, IL-17 represents a family of structurally related cytokines that share a highly conserved C-terminal region but differ from one another in their N-terminal regions and in their distinct biological roles. The six known members of this family, IL-17A through IL-17F, are secreted as homodimers. IL-17F also regulates cartilage matrix turnover and inhibits angiogenesis.</p> <p>Alternative Names: Interleukin-17F, IL-17F, Cytokine ML-1, Interleukin-24, IL-24, IL17F, IL24</p>
Molecular Weight:	30.1 kDa
UniProt:	Q96PD4
Pathways:	Cellular Response to Molecule of Bacterial Origin , Positive Regulation of Endopeptidase Activity

Application Details

Comment:	Biological activity: ED50 is approximately 10 ng/ml as determined by the dose-dependent induction of IL-6 in NIH-3T3 cells. Specific Activity of 1.0 x 10 ⁵ IU/mg
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in 500 mM Acetic Acid.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	<p>Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>
Expiry Date:	3 months