Active Recombinant Human Interleukin 1 Family, Member 10 (Theta)

Cat. No. IL1F10-400H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	IL1F10 Human Recombinant produced in E.Coli is a single, non-glycosylated, Polypeptide chain containing 152 amino acids and having a molecular mass of 17kDa. The IL1F10 is purified by proprietary chromatographic techniques.
Species	Human
Source	Human
Description	Human interleukin family 1, member 10 (IL1F10) belongs to the interleukin 1 cytokine family. IL1F10 is expressed in the fetal skin, spleen and tonsil, generally in the basal epithelia of skin and in proliferating B-cells of the tonsil. IL1F10 binds soluble IL1 receptor type 1 and may be implicated in the regulation of adapted and innate immune responses.
Form	IL1F10 was lyophilized after extensive dialysis against 20mM Phosphate buffer, pH7.4.
Purity	Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Bio-activity	As measured by its binding ability in a functional ELISA, immobilized IL1F10 at 1 μg/ml (100 μl/well) can bind rHuIL-1 Rrp2/Fc Chimera with a linear range of 0.15- 5 μg/ml.
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.

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Solubility	It is recommended to quick spin followed by reconstitution of IL1F10 in PBS to a concentration no less than 100 g/ml, which can then be further diluted to other aqueous solutions.
Amino acid sequence	The sequence of the first five N-terminal amino acids was determined and was found to be Met-Cys-Ser-Leu-Pro.
Storage	Lyophilized IL1F10 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL1F10 should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.

GENE INFORMATION

Gene Name	IL1F10 interleukin 1 family, member 10 (theta) [Homo sapiens]
Official Symbol	IL1F10
Synonyms	IL1F10; interleukin 1 family, member 10 (theta); FKSG75; IL-1HY2; IL1-theta; MGC119831; MGC119832; MGC119833; FIL1-theta; interleukin-1 HY2; IL-1F10 (canonical form IL-1F10a); interleukin-1 receptor antagonist FKSG75; interleukin-1 receptor antagonist-like FIL1 theta; Interleukin-1 family member 10; IL-1F10; Interleukin-1 receptor antagonist-like FIL1 theta; Interleukin-1 theta; IL-1 theta; FIL1 theta; Interleukin-1 HY2; IL-1HY2
Gene ID	84639
mRNA Refseq	NM_032556
Protein Refseq	NP_115945
MIM	17144

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UniProt ID	Q8WWZ1
Chromosome Location	2q13
Function	cytokine activity; interleukin-1 receptor antagonist activity

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