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Datasheet for ABIN7317818
IL36A/IL1F6 Protein (His tag)

Overview

Quantity:	20 µg
Target:	IL36A/IL1F6 (IL1F6)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL36A/IL1F6 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human IL1F6/IL36A Protein (His Tag)
Sequence:	Lys 6-Phe158
Characteristics:	A DNA sequence encoding the mature form of human IL1F6 (Q9UHA7) (Lys 6-Phe158) was expressed with a polyhistidine tag at the N-terminus.
Purity:	> 99 % as determined by reducing SDS-PAGE.

Target Details

Target:	IL36A/IL1F6 (IL1F6)
Alternative Name:	IL1F6/IL36A (IL1F6 Products)
Background:	Background: Interleukin-1 family member 6 (IL-1F6), also known as interleukin 36, alpha (IL36A), is a pro-inflammatory cytokine which plays an important role in innate and adaptive immunity. IL-1F6 activates MAPK and NF-κB pathways and is produced by many different cells. This cytokine is a family member of interleukin-1 (IL-1) and plays an important role in the

Target Details

pathophysiology of several diseases. It has been reported that IL-1F6 and IL-1F8, in addition to IL-1F9, activate the pathway leading to NF-kappaB in an IL-1Rrp2-dependent manner in Jurkat cells as well as in multiple other human and mouse cell lines. Activation of the pathway leading to NF-kappaB by IL-1F6 and IL-1F8 follows a similar time course to activation by IL-1beta, suggesting that signaling by the novel family members occurs through a direct mechanism. In a mammary epithelial cell line, NCI/ADR-RES, which naturally expresses IL-1Rrp2, all three cytokines signal without further receptor transfection. IL-1Rrp2 antibodies block activation of the pathway leading to NF-kappaB by IL-1F6, IL-1F8, and IL-1F9 in both Jurkat and NCI/ADR-RES cells. Thus IL-1F6, IL-1F8, and IL-1F9 signal through IL-1Rrp2 and IL-1RAcP.

Synonym: Interleukin-36 Alpha, FIL1 Epsilon, Interleukin-1 Epsilon, IL-1 Epsilon, Interleukin-1 Family Member 6, IL-1F6, IL36A, FIL1E, IL1E, IL1F6

Molecular Weight: 19.2 kDa

UniProt: [Q9UHA7](#)

Pathways: [Cancer Immune Checkpoints](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.