Recombinant Human IL1F6/IL36A Protein (His Tag)

Catalog Number: PKSH031509



Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Synonyms Interleukin-36 Alpha;FIL1 Epsilon;Interleukin-1 Epsilon;IL-1 Epsilon;Interleukin-1

Family Member 6;IL-1F6;IL36A;FIL1E;IL1E;IL1F6

SpeciesHumanExpression HostE.coli

SequenceLys 6-Phe158AccessionQ9UHA7Calculated Molecular Weight19.2 kDaObserved molecular weight20 kDaTagN-His

Properties

Purity > 99 % as determined by reducing SDS-PAGE.

Endotoxin Please contact us for more information.

Storage 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.

Shipping This product is provided as lyophilized powder which is shipped with ice packs.

Formulation Lyophilized from sterile PBS, pH 7.4

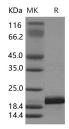
Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as

protectants before lyophilization.

Please refer to the specific buffer information in the printed manual.

Reconstitution Please refer to the printed manual for detailed information.

Data



> 99 % as determined by reducing SDS-PAGE.

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-kB 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 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

For Research Use Only

A Reliable Research Partner in Life Science and Medicine

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017

Web: www.elabscience.com Email: techsupport@elabscience.com

Recombinant Human IL1F6/IL36A Protein (His Tag)

Catalog Number:PKSH031509



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.

For Research Use Only

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017

Web: <u>www.elabscience.com</u> Email: <u>techsupport@elabscience.com</u>