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Datasheet for ABIN7520121 **FIL1d Protein (His tag)**

Overview

Quantity:	10 µg
Target:	FIL1d
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This FIL1d protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human IL-36Ra/IL-1F5 Protein
Sequence:	VLSGALCFRM KDSALKVLYL HNNQLLAGGL HAGKVIK GEE ISVVPNRWLD ASLSPVILGV QGGSQCLSCG VGQEPTLTLE PVNIMELYLG AKESKSFTFY RRDMGLTSSF ESAAYPGWFL CTVPEADQPV RLTQLPENG G WNAPITDFYF QQCD
Specificity:	Val2-Asp155
Purity:	> 95 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 1.0 EU/µg of the protein by LAL method.

Target Details

Target:	FIL1d
Alternative Name:	IL-36Ra/IL-1F5 (FIL1d Products)

Target Details

Background:	<p>Description: Interleukin-1 family member 5 (IL-1F5), also known as interleukin 36 receptor antagonist (IL36RA), is a member of the interleukin 1 cytokine family. This cytokine was shown to specifically inhibit the activation of NF-kappaB induced by interleukin 1 family, member 6 (IL1F6). IL-1F5 is a highly and a specific antagonist of the IL-1 receptor-related protein 2-mediated response to interleukin 1 family member 9 (IL1F9). IL-1F5 could constitute part of an independent signaling system analogous to interleukin-1 alpha (IL-1A), beta (IL-1B) receptor agonist and interleukin-1 receptor type I (IL-1R1), which is present in epithelial barriers and takes part in local inflammatory response. It has been proved that IL-1F5 induces IL-4 mRNA and protein expression in glia in vitro and enhances hippocampal expression of IL-4 following intracerebroventricular injection. The inhibitory effect of IL-1F5 on LPS-induced IL-1β is attenuated in cells from IL-4-defective mice.</p> <p>Name: IL36RN,FIL1,FIL1(Delta),FIL1D,IL-36Ra,IL1F5,IL1HY1,IL1L1,IL1RP3,IL36RA,PSORP,PSORS14</p>
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Gene ID:	26525
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UniProt:	Q9UBH0
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Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 μ m filtered solution of 20 mM Tris, 150 mM NaCl, pH 8.0.
Storage:	-20 °C,-80 °C
Storage Comment:	<p>Store the lyophilized protein at -20°C to -80 °C for long term.</p> <p>After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.</p>