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Datasheet for ABIN7533752
IL36A/IL1F6 Protein (His tag)

Overview

Quantity:	100 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 IL-36 alpha/IL-1F6 Protein
Sequence:	MEKALKIDTP QQGSIQDINH RVWVLQDQTL IAVPRKDRMS PVTIALISCR HVETLEKDRG NPIYLG LNLGL NLCLMCAKVG DQPTLQLKEK DIMDLYNQPE PVKSFLFYHS QSGRNSTFES VAFPGWFI AV SSEGGCPLIL TQELGKANTT DFGLTMLF
Specificity:	Met1-Phe158
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:	IL36A/IL1F6 (IL1F6)
Alternative Name:	IL-36 alpha/IL-1F6 (IL1F6 Products)

Target Details

Background: Description: 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 can activate NF-kappa-B and MAPK signaling pathways to generate an inflammatory response. The encoded protein functions primarily in skin and demonstrates increased expression in psoriasis. In addition, decreased expression of this protein has been linked to a poor prognosis in both hepatocellular carcinoma and colorectal cancer patients.

Name: IL36A,FIL1,FIL1(EPSILON),FIL1E,IL-1F6,IL1(EPSILON),IL1F6

Gene ID: 27179

UniProt: [Q9UHA7](#)

Pathways: [Cancer Immune Checkpoints](#)

Application Details

Restrictions: For Research Use only

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 µm filtered solution of PBS, pH 7.4.

Storage: -20 °C, -80 °C

Storage Comment: Store the lyophilized protein at -20°C to -80 °C for long term.

After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.