

ARG70082 Human IL36RN recombinant protein (Active) (His-tagged, C-ter)

Package: 100 µg, 20 µg Store at: -20°C

Summary

Product Description	E. coli expressed, His-tagged (C-ter) Active Human IL36RN recombinant protein
Tested Application	SDS-PAGE
Target Name	IL36RN
Species	Human
A.A. Sequence	Met1 - Asp155
Expression System	E. coli
Activity	Active
Activity Note	Determined by its ability to inhibit IL-36 gamma-induced IL-8 secretion in PBMC cells. The ED50 for this effect is < 2 ng/mL in the presence of 500 ng/mL of recombinant human IL-36 gamma.
Alternate Names	IL1L1; FIL1 delta; IL-1 delta; IL-1F5; IL-1L1; Interleukin-1 receptor antagonist homolog 1; Interleukin-1-like protein 1; IL-1-related protein 3; PSORS14; IL36RA; Interleukin-1 HY1; Interleukin-1 family member 5; IL-1RP3; IL-1HY1; IL1HY1; IL1F5; IL1RP3; FIL1; IL-36Ra; FIL1D; IL-1ra homolog 1; PSORP; FIL1(DELTA); Interleukin-36 receptor antagonist protein; Interleukin-1 delta

Properties

Form	Powder
Purification Note	Endotoxin level is less than 0.1 EU/µg of the protein, as determined by the LAL test.
Purity	> 98% (by SDS-PAGE)
Buffer	PBS (pH 7.4)
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 200 μ g/mL and incubate the stock solution for at least 20 min at room temperature to make sure the protein is dissolved completely.
Storage instruction	For long term, lyophilized protein should be stored at -20°C or -80°C. After reconstitution, aliquot and store at -20°C or -80°C for up to one month. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

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Function	Inhibits the activity of interleukin-36 (IL36A,IL36B and IL36G) by binding to receptor IL1RL2 and
Background	The protein encoded by this gene 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). This gene and eight other interleukin 1 family genes form a cytokine gene cluster on chromosome 2. Two alternatively spliced transcript variants encoding the same protein have been reported. [provided by RefSeq, Jul 2008]
Gene Full Name	interleukin 36 receptor antagonist
Gene Symbol	IL36RN

preventing its association with the coreceptor IL1RAP for signaling. Part of the IL-36 signaling system that is thought to be present in epithelial barriers and to take part in local inflammatory response; similar to the IL-1 system with which it shares the coreceptor. Proposed to play a role in skin inflammation. May be involved in the innate immune response to fungal pathogens, such as Aspergillus fumigatus. May activate an anti-inflammatory signaling pathway by recruiting SIGIRR. [UniProt]

Cellular Localization

Secreted. [UniProt]

Images



Human IL36RN recombinant protein ARG70082 Human IL36RN recombinant protein (Active) (His-tagged, C-ter) SDS-PAGE image

SDS-PAGE analysis of ARG70082 Human IL36RN recombinant protein (Active) (His-tagged, C-ter).