

**RMCH043**

Recombinant IL-36RA (Interleukin-36 receptor antagonist), Human ,AF



5ug;20ug;100ug;500ug;

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**Synonym/Alternative name(s):**

FIL1 delta, IL-1F5, IL-1HY1, IL-1L1, IL-1RP3, IL-1ra Homolog 1, IL-1 delta

**Activity:**

Measure 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.

**Protein Description:**

As a result of the interaction of IL-36 ligands with the IL-1Rrp2 receptor. Various activities including dendritic cell maturation and activation are induced. IL-36RA can antagonize the NF-kB signaling through binding to the IL-1Rrp2 receptor by either IL-36 $\alpha$ ,  $\beta$  or  $\gamma$  in a way of preventing the initiation of functional signaling.

**Protein Accession :** Q9UBH0.1

**Gene ID :** 26525

**Expression Sequence:**

MVLSGALCFRMKDSALKVLYLHNNQLLAGGLHAGKVIKGGEEISVVPNRWLDASLSPVILGVQGGSQLSCGVGQEPTLTLEPVNIMELY LGAKESKSFTFYRRDMGLTSSFESAAYPGWFLCTVPEADQPVRTLQLPENGWGNAPITDFYFQQCD with polyhistidine tag at the C-terminus.

**Fusion tag :** His-tag?at?the?C-terminus

**Species :** Human

**Reactivity :** Human

**Expression Host :** Escherichia coli

**Source :** E. coli

**Purity/method:**

>98% as determined by SDS-PAGE. Ni-NTA chromatography

**Endotoxin level:**

<0.1 EU per 1  $\mu$ g of the protein by the LAL method.

**Calculated Molecular Weight :** 17.77 kDa

**Formulation:**

The protein was lyophilized from a solution containing 1X PBS, pH 7.4.

**Reconstitution:**

It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 100  $\mu$ g/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

**Shipping :** Blue Ice

**Stability and Storage:**

Lyophilized protein should be stored at -20°C for 1 year.

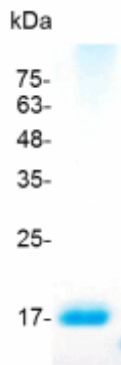
Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1%

BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months.

**Category :** Cytokines

**Application :** Cell culture, Elisa

**Image:**



SDS- PAGE analysis of recombinant human IL-36RA