

IL-36RA, Human recombinant protein**FIL1 delta, IL-1F5, IL-1HY1, IL-1L1, IL-1RP3, IL-1ra Homolog 1, IL-1 delta**
Catalog # PBV10744r**Specification**

IL-36RA, Human recombinant protein - Product infoPrimary Accession [O9JLA2](#)
Calculated MW **17 kDa****IL-36RA, Human recombinant protein - Additional Info**Gene ID **54448**
Gene Symbol **IL36RA**
Other Names
FIL1 delta, IL-1F5, IL-1HY1, IL-1L1, IL-1RP3, IL-1ra Homolog 1, IL-1 deltaGene Source **Human**
Source **E.coli**
Assay&Purity **SDS-PAGE; ≥98%**
Assay2&Purity2 **HPLC;**
Recombinant **Yes**
Sequence **VLSGALCFRM KDSALKVLYL HNNQLLAGGL
HAEKVIKGEE ISVVPNRALD ASLSPVILGV
QGGSQCLSCG TEKGPIKLE PVNIMELYLG
AKESKSFTFY RRDMLTSSSF ESAAYPGWFL
CTSPEADQPV RLTQIPEDPA WDAPITDFYF
QQCD****Target/Specificity**
IL-36RA**Application Notes**

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

Format

Lyophilized powder

Storage

-20°C; Sterile filtered through a 0.2 micron filter. Lyophilized from 10 mM Sodium Phosphate, pH 7.5.

IL-36RA, Human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)

- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

IL-36RA, Human recombinant protein - Images**IL-36RA, Human recombinant protein - Background**

The IL-1 family is comprised of 11 structurally related ligands, including the recently re-named IL-36RA (IL-1F5), IL-36 α (IL-1F6), IL-36 β (IL-1F8), and IL-36 γ (IL-1F9). The interaction of IL-36 ligands with the IL-1Rrp2 receptor (IL-1R6) can induce various activities, including dendritic cell maturation and activation. IL-36RA can antagonize the NF-kappaB signaling induced by either IL-36 α , - β or - γ by binding to the IL-1Rrp2 receptor in a manner that prevents the initiation of functional signaling. Recombinant human IL-36RA is an E. coli derived 17 kDa protein containing 154 amino acid residues.

IL-36RA, Human recombinant protein - References

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Debets R., et al. J. Immunol. 167:1440-1446(2001).
Carninci P., et al. Science 309:1559-1563(2005).
Ichii O., et al. Lab. Invest. 90:459-475(2010).
Vigne S., et al. Blood 118:5813-5823(2011).