

IL-36RA, Human Recombinant

CATALOG #:	7109-10	10 µg
	7109-50	50 µg
ALTERNATE NAMES:	FIL1 delta, IL-1F5, IL-1HY1, IL-1L1, IL-1RP3, IL-1ra Homolog 1, IL-1 delta	
SOURCE:	E.coli	
PURITY:	≥ 98% by SDS-PAGE gel and HPLC analyses	
MOL. WEIGHT:	17 kDa	
ENDOTOXIN LEVEL:	< 0.1 ng/µg of protein (<1EU/µg).	
FORM:	Lyophilized	
FORMULATION:	Sterile filtered through a 0.2 micron filter. Lyophilized from 10 mM Sodium Phosphate, pH 7.5.	
STORAGE CONDITIONS:	Store at -20°C. After reconstitution, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.	

RECONSTITUTION:

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.

DESCRIPTION:

The IL-1 family is comprised of 11 structurally related ligands, including the recently re-named IL-36RA (IL-1F5), IL-36α (IL-1F6), IL-36β (IL-1F8), and IL-36γ (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-36α, -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.

BIOLOGICAL ACTIVITY:

Measured by its ability to inhibit IL-36γ induced IL-6 production by human PBMCs

AMINO ACID SEQUENCE:

VLSGALCFRM KDSALKVLYL HNNQLLAGGL HAEKVIKGGEE ISVVPNRALD ASLSPVILGV
QGGSQCLSCG TEKGPILKLE PVNIMELYLG AKESKSFTFY RRDMLTSSF ESAAYPGWFL
CTSPEADQPV RLTQIPEDPA WDAPITDFYF QQCD

RELATED PRODUCTS:

- IL-36β, human recombinant (Cat # 7110-10, -50)
- IL-36γ, mouse recombinant (Cat # 7111-10, -50)
- IL-17A, mouse recombinant (Cat # 7105-10, -50)
- IL-17B, human recombinant (Cat # 7106-10, -50)
- Human Cell^{exp} Human Recombinant IL-17A (Cat # 6468-10, -50)
- Human Cell^{exp} Human Recombinant IL-17F (Cat # 6469-10, -50)
- IL-17, murine recombinant (Cat # 4177-10, -1000)
- IL-17A, human recombinant (Cat # 4176-25, -1000)
- IL-17A, rat recombinant (Cat # 4178-25, -1000)
- IL-17A/F, human recombinant (Cat # 4176AF-10, -50, -1000)
- IL-17E, human recombinant (Cat # 4176E-25, -1000)
- IL-17E, murine recombinant (Cat # 4177E-25, -100, -1000)
- IL-17E, rat recombinant (Cat # 4178E-25, -100, -1000)
- IL-17F, human recombinant (Cat # 4176F-25, -1000)
- IL-17F, murine recombinant (Cat # 4177F-25, -100, -1000)
- IL-17F, rat recombinant (Cat # 4178F-25, -100, -1000)
- IL-17 Antibody (Cat # 5176-200)

FOR RESEARCH USE ONLY! Not to be used in humans.