

IL-36RA/IL-1F5/IL-1HY1/IL-1δ, Mouse, Recombinant

Cat. No. : PCK316

General Information

Synonyms	FIL1 delta;IL-1F5;IL-1HY1;IL-1L1;IL-1RP3;IL-1ra Homolog 1;IL-1 delta
Species	Mouse
Expression host	E.coli
Sequence	MVLSGALCFRMKDSALKVLYLHNNQLLAGGLHAEKVIKGEEISVVPNRALDASLSPVILGVQGG SQCLSCGTEKGPIKLKLEPVNIMELYLGAKESKSFTFYRRDMGLTSSFESAAYPGWFLCTSPEAD QPVRTQIPEDPAWDAPITDFYFQQCD with polyhistidine tag at the C-terminus.
Accession	Q9QYY1.2
Tag	His-tag at the C-terminus
Mol mass	17.81 kDa
Expiration date	12 months
Bio activity	Measure by its ability to inhibit IL-36 gamma-induced IL-6 secretion in 3T3 cells. The ED50 for this effect is < 2 ng/mL.

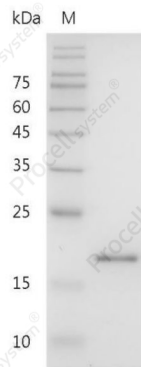
Product feature

Purity	> 98% as determined by SDS-PAGE. Ni-NTA chromatography.
Endotoxin (EU/μg)	< 0.1
Storage	Lyophilized protein should be stored at -5~-20°C for 1 year. Upon reconstitution, store at 2-8°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 -5~-20°C or -80°C for 3-6 months.
Shipping	Ice bag
Formulation	The protein was lyophilized from a 0.2 μm filtered solution containing 1 × PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 μg/mL. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

Background

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-κB signaling through binding to the IL-1Rrp2 receptor by either IL-36α, β or γ in a way of preventing the initiation of functional signaling.

SDS-PAGE



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