

IL-1RL2 Protein, Human (HEK293, His-Avi)

Cat. No.:	HY-P78462
Synonyms:	IL-1 R6; IL-1 Rrp2; IL1RL2; IL1Rrp2; IL1RRP2; IL-36R
Species:	Human
Source:	HEK293
Accession:	Q9HB29 (D20-R335)
Gene ID:	8808
Molecular Weight:	60-70 kDa

PROPERTIES

Biological Activity	Immobilized Human IL-1 Rrp2, His Tag at 0.5µg/ml (100µl/Well). Dose response curve for Anti-IL-1Rrp2 Antibody, hFc Tag with the EC ₅₀ of 24.2ng/ml determined by ELISA.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4. Normally 5% trehalose is added as protectant before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	IL-1RL2, a receptor for interleukin-36 (IL36A, IL36B, and IL36G), engages in complex signaling events upon binding to interleukin-36. Through association with the coreceptor IL1RAP, the interleukin-36 receptor complex is formed, orchestrating interleukin-36-dependent activation of NF-kappa-B, MAPK, and other pathways. This signaling system, akin to the IL-1 system, is implicated in local inflammatory responses within epithelial barriers, particularly contributing to skin inflammatory reactions by inducing the IL-23/IL-17/IL-22 pathway.
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Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA