

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

Cat. No.:	HY-P70603
Synonyms:	Interleukin-1 receptor-like 2; IL1RL2; IL-36 receptor; IL-36R; IL-1Rrp2; IL1R-rp2;
Species:	Human
Source:	HEK293
Accession:	Q9HB29 (D20-Y337)
Gene ID:	8808
Molecular Weight:	Approximately 60.0 kDa

### PROPERTIES

AA Sequence	<pre> D G C K D I F M K N   E I L S A S Q P F A   F N C T F P P I T S   G E V S V T W Y K N S S K I P V S K I I   Q S R I H Q D E T W   I L F L P M E W G D   S G V Y Q C V I K G R D S C H R I H V N   L T V F E K H W C D   T S I G G L P N L S   D E Y K Q I L H L G K D D S L T C H L H   F P K S C V L G P I   K W Y K D C N E I K   G E R F T V L E T R L L V S N V S A E D   R G N Y A C Q A I L   T H S G K Q Y E V L   N G I T V S I T E R A G Y G G S V P K I   I Y P K N H S I E V   Q L G T T L I V D C   N V T D T K D N T N L R C W R V N N T L   V D D Y Y D E S K R   I R E G V E T H V S   F R E H N L Y T V N I T F L E V K M E D   Y G L P F M C H A G   V S T A Y I I L Q L   P A P D F R A Y           </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
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 <sub>2</sub> O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
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
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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.**

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