

Active Recombinant Human IL1RL1, His-tagged, Biotinylated

Cat. No. IL1RL1-629H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The recombinant human IL1RL1 ECD is expressed as a 320 amino acid protein consisting of Lys19 - Ser328 region of IL1RL1/ST2 (UniProt accession #Q01638) and a C-terminal His-tag.
Species	Human
Source	Human Cells
ProteinLength	19-328 a.a.
Form	Supplied at 0.5 mg/ml in sterile PBS pH7.4 (carrier & preservative free). The purified recombinant protein was labeled with Biotin (3-5 Biotin per molecule).
Bio-activity	Immobilized IL1RL1 binds human IL33 in a functional ELISA. Blocks IL33-dependent signaling activity in helper T cells.
Molecular Mass	Calculated molecular mass (kDa): 36.3; Estimated by SDS-PAGE under reducing condition (kDa): 60-70 (probably due to glycosylation).
AA Sequence	KFSKQSWGLENEALIVRCPRQGKPSYTVDWYYSQTNKSIPTQERNRVFASGQLLKF LPAAVADSGIYTCIVRSP TFNRTGYANVTIYKKQSDCNVPDYLMYSTVSGSEKNSKI YCPTIDLYNWTAPLEWFKNCQALQGSRYRAHKSFL VIDNVMTEDAGDYTCCKFIHNE NGANYSVTATRSFTVKDEQGFSLPVIGAPAQNEIKEVEIGKNANLTCSACFG KGTQ FLAAVLWQLNGTKITDFGEPRIQQEEGQNQSFSNGLACLDMVLRIADVKEEDLLLQY DCLALNLHGLRR HTVRLSRKNPIDHHSTGHHHHHHHH

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Endotoxin	<0.1 eu per 1 µg of purified recombinant protein determined by the lal>
Purity	>90% judged by SDS-PAGE under reducing condition
Storage	The product is shipped at 4°C. Upon receipt, centrifuge the product briefly before opening the vial. It is recommended to store small aliquots at the temperature below –20°C for long-term storage and the product is stable for 3 months. The undiluted protein can be stored at 4°C for no more than 2 weeks. Avoid repeated freeze-thaw cycles.
Conjugation	Biotin

GENE INFORMATION

Gene Name	IL1RL1 interleukin 1 receptor-like 1 [Homo sapiens]
Official Symbol	IL1RL1
Synonyms	IL1RL1; interleukin 1 receptor-like 1; interleukin-1 receptor-like 1; DER4; FIT 1; homolog of mouse growth stimulation expressed; IL33R; ST2; ST2L; ST2V; T1; growth stimulation-expressed; interleukin 1 receptor-related protein; homolog of mouse growth stimulation-expressed; FIT-1; MGC32623;
Gene ID	9173
mRNA Refseq	NM_003856
Protein Refseq	NP_003847
MIM	601203

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UniProt ID	Q01638
Chromosome Location	2q12
Function	cytokine receptor activity; interleukin-1 receptor activity; interleukin-33 binding; protein binding; receptor activity; receptor signaling protein activity;

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