

Recombinant Human Interleukin 1 Receptor-Like 1

Cat. No. IL1RL1-1637H Lot. No. (See product label)

SPECIFICATION

Species Human

Source Mammalian Cells

Description

The protein IL1 R4, also known as T1, ST2, is a member of the interleukin-1 receptor family with a soluble secreted form (sST2) and a transmembrane form (ST2L). The coding gene forms a cytokine receptor gene cluster together with IL1 R1(interleukin 1 receptor, type I), IL1R2(interleukin 1 receptor, type II) and IL1RL2(interleukin 1 receptor-like 2) genes in a region mapped to chromosome 2q12. As an important mediator involved in many immune and inflammatory responses, this cytokine has been implicated as a regulator of both the development and effector phases of type 2 helper T cell responses, and as a negative feedback modulator of macrophage pro-inflammatory function. Interleukin (IL)-33 is a specific ligand of ST2L and induces production of Th2 cytokines.

State Of Matter Lyophilized.

Purity >97% by SDS Page and analyzed by silver stain.

Endotoxin <1.0 EU/g as determined by the LAL method.

Molecular Weight The predicted molecular weight of Recombinant Human IL-1 R4 is Mr 62.5 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 100 kDa.

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Storage And Stability

This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles.

GENE INFORMATION

Gene Name

IL1RL1 interleukin 1 receptor-like 1 [Homo sapiens]

Synonyms

IL1RL1; interleukin 1 receptor-like 1; T1; ST2; DER4; ST2L; ST2V; FIT-1; MGC32623; growth stimulation-expressed; interleukin 1 receptor-related protein; homolog of mouse growth stimulation-expressed; nterleukin-1 receptor-like 1; Protein ST2; OTTHUMP00000161342

Gene ID

9173

mRNA Refseq

NM_003856

Protein Refseq

NP_003847

MIM

601203

UniProt ID

Q01638

Chromosome Location

2q12

Function

interleukin-1 receptor activity; interleukin-33 receptor activity; protein binding; receptor signaling protein activity

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