

Recombinant Human Interleukin 1 Receptor, Type I, His-tagged

Cat. No. IL1R1-286H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human ST2 comprises a 310 amino acid fragment (19-328) corresponding to the soluble ST2 coding sequence and is expressed in E. coli with an amino-terminal hexahistidine tag.

Species Human

Source E.coli

ProteinLength 19-328 a.a.

Description The ST2 gene is a member of the IL-1 receptor family, encoding a transmembrane protein with a structure similar to IL-1R1. A soluble form of the protein (ST2) is produced from the same gene by alternative splicing and is reported to be expressed in several cell types including fibroblasts and mast cells. Soluble ST2 has been reported to act as a negative regulator of Th2 cytokine production and elevated levels have been reported in several disease states and conditions including asthma, sepsis and myocardial infarction.

Purity >95% by SDS-PAGE

Form Liquid

Storage Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Please avoid freeze thaw cycles.

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GENE INFORMATION

Gene Name	IL1R1 interleukin 1 receptor, type I [Homo sapiens]
Synonyms	IL1R1; CD121A; D2S1473; IL-1R-alpha; IL1R; IL1RA; P80; Interleukin-1 Receptor-like 1; Homolog of mouse growth stimulation expressed gene; Homolog of mouse ST2; interleukin 1 receptor, type I; antigen CD121a; OTTHUMP00000161344; interleukin receptor 1; interleukin 1 receptor alpha, type I; IL-1R-1; IL-1RT1; IL1RT1; p80; CD121 antigen-like family member A; CD121a antigen.
Gene ID	3554
mRNA Refseq	NM_000877
Protein Refseq	NP_000868
MIM	147810
UniProt ID	P14778
Chromosome Location	2q12
Pathway	Apoptosis; Cytokine-cytokine receptor interaction; Hematopoietic cell lineage; MAPK signaling pathway
Function	interleukin-1, Type I, activating receptor activity; platelet-derived growth factor receptor binding; protein binding; transmembrane receptor activity

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