

Product datasheet for **TP727254**

Il1r1 Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Mouse IL-1R1 (C-6His)
Species:	Mouse
Expression cDNA Clone or AA Sequence:	Leu20-Lys338
Tag:	C-6His
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH7.4.
Note:	Recombinant Mouse Interleukin-1 receptor type 1 is produced by our Mammalian expression system and the target gene encoding Leu20-Lys338 is expressed with a 6His tag at the C-terminus.
Storage:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH ₂ O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Stability:	12 months from date of despatch
Locus ID:	16177
UniProt ID:	P13504
Synonyms:	Interleukin-1 receptor type 1; IL-1R-1; IL-1RT1; IL-1 RI; CD121a
Summary:	Mouse Interleukin 1 receptor, type I (IL-1R1) also known as CD121a (Cluster of Differentiation 121a), is an interleukin receptor. IL-1R1/CD121a is a cytokine receptor that belongs to the interleukin 1 receptor family. This protein is a receptor for interleukin 1 alpha (IL1A), interleukin 1 beta (IL1B), and interleukin 1 receptor antagonist (IL1RA). It is an important mediator involved in many cytokine induced immune and inflammatory responses. An IL1 receptor accessory protein that can heterodimerize with the Type I receptor in the presence of IL1 β or IL1 α but not IL1ra, was identified. This Type I receptor complex appears to mediate all the known IL1 biological responses. The receptor Type II has a short cytoplasmic domain and does not transduce IL1 signals. In addition to the membranebound form of IL1 RII, a naturally occurring soluble form of IL1 RII has been described. It has been suggested that the Type II receptor, either as the membranebound or as the soluble form, serves as a decoy for IL1 and inhibits IL1 action by blocking the binding of IL1 to the signaling Type I receptor complex.


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