

## Product datasheet for **TP723862**

### IL1 Receptor I (IL1R1) (NM\_000877) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human interleukin 1 receptor, type I (IL1R1)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	Human IL-1Ra, the region of Asp21-Thr332, from gene Accession# NM_000877
Tag:	Tag Free
Predicted MW:	38 kDa
Concentration:	lot specific
Purity:	>95%, as determined by Coomassie stained SDS-PAGE.
Buffer:	1 x PBS
Bioactivity:	The ED50 is 0.2 - 0.6 µg/ml, corresponding to a specific activity of 1.7 - 5.0 x 10 <sup>3</sup> units/mg, determined by the dose dependent inhibition of D10.G4.1 cell proliferation.
Endotoxin:	Less than 0.01 ng per µg protein as determined by the LAL method
Storage:	Store at -80°C.
Stability:	Unopened vial can be stored between 2°C and 8°C for up to 2 weeks, at -20°C for up to 6 months, or at -70°C or below until the expiration date. Aliquots can be stored between 2°C and 8°C for up to one week and stored at -20°C or colder for up to 3 months. Avoid repeated freeze/thaw cycles.
RefSeq:	<a href="#">NP_000868</a>
Locus ID:	3554
UniProt ID:	<a href="#">P14778</a>
RefSeq Size:	4909
Cytogenetics:	2q11.2-q12.1
RefSeq ORF:	1707
Synonyms:	CD121A; D2S1473; IL-1R-alpha; IL1R; IL1RA; P80



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**Summary:**

This gene encodes a cytokine receptor that belongs to the interleukin-1 receptor family. The encoded protein is a receptor for interleukin-1 alpha, interleukin-1 beta, and interleukin-1 receptor antagonist. It is an important mediator involved in many cytokine-induced immune and inflammatory responses. This gene is located in a cluster of related cytokine receptor genes on chromosome 2q12. [provided by RefSeq, Dec 2013]

**Protein Families:**

Druggable Genome, Transmembrane

**Protein Pathways:**

Apoptosis, Cytokine-cytokine receptor interaction, Hematopoietic cell lineage, MAPK signaling pathway

**Product images:**