

#### OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

# Product datasheet for TP723209

### IL1RA (IL1RN) (NM\_000577) Human Recombinant Protein

## **Product data:**

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human interleukin 1 receptor antagonist (IL1RN), transcript variant 3.
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MRPSGRKSSK MQAFRIWDVN QKTFYLRNNQ LVAGYLQGPN VNLEEKIDVV PIEPHALFLG IHGGKMCLSC VKSGDETRLQ LEAVNITDLS ENRKQDKRFA FIRSDSGPTT SFESAACPGW FLCTAMEADQ PVSLTNMPDE GVMVTKFYFQ EDE
Tag:	Tag Free
Predicted MW:	17.2 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Lyophilized from a 0.2 $\mu$ M filtered solution of 20mM phosphate buffer,100mM NaCl, pH 7.2
Bioactivity:	Determined by its ability to inhibit the IL-1alpha; stimulation of murine D10S cell. The expected ED50 is 20-40 ng/ml in the presence of 50 pg/ml of IL-1alpha;.
Endotoxin:	Endotoxin level is < 0.1 ng/μg of protein (< 1 EU/μg)
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	<u>NP 000568</u>
Locus ID:	3557
UniProt ID:	<u>P18510</u>
RefSeq Size:	1802
Cytogenetics:	2q14.1
RefSeq ORF:	477
Synonyms:	DIRA; ICIL-1RA; IL-1ra; IL-1ra3; IL-1RN; IL1F3; IL1RA; IRAP; MVCD4



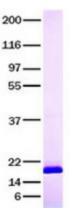
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#### **GRIGENE** IL1RA (IL1RN) (NM\_000577) Human Recombinant Protein – TP723209

Summary:The protein encoded by this gene is a member of the interleukin 1 cytokine family. This<br/>protein inhibits the activities of interleukin 1, alpha (IL1A) and interleukin 1, beta (IL1B), and<br/>modulates a variety of interleukin 1 related immune and inflammatory responses, particularly<br/>in the acute phase of infection and inflammation. This gene and five other closely related<br/>cytokine genes form a gene cluster spanning approximately 400 kb on chromosome 2. A<br/>polymorphism of this gene is reported to be associated with increased risk of osteoporotic<br/>fractures and gastric cancer. Several alternatively spliced transcript variants encoding distinct<br/>isoforms have been reported. [provided by RefSeq, Aug 2020]

#### Protein Families: Druggable Genome, Secreted Protein

## **Product images:**



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