

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 LVAGYLQGN VNLEEKIDWV 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 μ M filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
Bioactivity:	Determined by its ability to inhibit the IL-1 α ; stimulation of murine D10S cell. The expected ED50 is 20-40 ng/ml in the presence of 50 pg/ml of IL-1 α .
Endotoxin:	Endotoxin level is < 0.1 ng/ μ g of protein (< 1 EU/ μ g)
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_000568
Locus ID:	3557
UniProt ID:	P18510
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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Summary:

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

Protein Families:

Druggable Genome, Secreted Protein

Product images: