

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 TP720025

IL1RA (IL1RN) (NM_000577) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human interleukin 1 receptor antagonist (IL1RN), transcript variant 3
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	Arg26-Glu177
Tag:	Tag Free
Predicted MW:	17.3 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Provided lyophilized from a 0.2 μm filtered solution of 20 mM Tris-HCl, 150 mM NaCl
Bioactivity:	ED50 is 0.5 ng/ml as determined by the dose-dependent inhibition of IL-1 stimulation of D10S cells. Specific Activity of 2.0 x 106 IU/mg.
Endotoxin:	< 0.1 EU per μ g protein as determined by LAL test
Reconstitution Method:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. Dissolve the lyophilized protein in ddH2O. It is not recommended to reconstitute a concentration less than 100 µg/ml. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
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>
Cytogenetics:	2q14.1
Synonyms:	DIRA; ICIL-1RA; IL-1ra; IL-1ra3; IL-1RN; IL1F3; IL1RA; IRAP; MVCD4



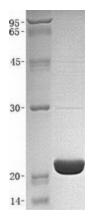
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Summary:The protein encoded by this gene is a member of the interleukin 1 cytokine family. This
protein inhibits the activities of interleukin 1, alpha (IL1A) and interleukin 1, beta (IL1B), and
modulates a variety of interleukin 1 related immune and 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:



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