

Human Interleukin-1 Receptor Antagonist(rDNA derived) Reference standard

Cat. No. IL1RN-121H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Enzyme Unit	Each ampoule contains approximately 10.0 micrograms IL-1ra. The assigned potency is 10 milli-units per ampoule.
Usage	No attempt should be made to weigh out any portion of the freeze-dried material prior to reconstitution. Dissolve the total contents of the ampoule in a known volume of a suitable solvent (distilled water, buffer or saline). Further dilutions should be made in a medium containing carrier protein.
Notes	This preparation is not for administration to humans. The preparation contains material of human origin, and either the final product or the source materials, from which it is derived, have been tested and found negative for HBsAg, anti-HIV and HCV RNA. As with all materials of biological origin, this preparation should be regarded as potentially hazardous to health. It should be used and discarded according to your own laboratorys safety procedures. Such safety procedures should include the wearing of protective gloves and avoiding the generation of aerosols. Care should be exercised in opening ampoules or vials, to avoid cuts.
Stability	Reference materials are held at Creative Biomart within assured, temperature-controlled storage facilities and they should be stored on receipt as indicated on the label. An arbitrary unitage was assigned to this preparation at the time of production

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without confirmation of long term stability. Evidence from similar materials prepared by an equivalent process indicates that long term stability is likely to be maintained and the material is suitably stable for shipment at ambient temperature without any effect on the assigned values. Once reconstituted, diluted or aliquoted, users should determine the stability of the material according to their own method of preparation, storage and use. Users who have data supporting any deterioration in the characteristics of any reference preparation are encouraged to contact Creative Biomart.

Storage

For economy of use, it is recommended that the solution be sub-divided into several small aliquots and stored at -40 °C or below. Avoid repeated thawing/freezing. Please note: because of the inherent stability of lyophilized material, Creative Biomart may ship these materials at ambient temperature.

GENE INFORMATION

Gene Name

IL1RN interleukin 1 receptor antagonist [Homo sapiens];

Official Symbol

IL1RN

Synonyms

IL1RN; interleukin 1 receptor antagonist; interleukin-1 receptor antagonist protein; ICIL 1RA; IL 1RN; IL1F3; IL1RA; interleukin 1 receptor antagonist protein; intracellular interleukin 1 receptor antagonist; IRAP; MGC10430; IL1 inhibitor; IL1RN (IL1F3); type II interleukin-1 receptor antagonist; intracellular IL-1 receptor antagonist type II; intracellular interleukin-1 receptor antagonist (icIL-1ra); DIRA; MVCD4; IL-1RN; IL-1ra; IL-1ra3; ICIL-1RA;

Gene ID

3557

mRNA Refseq

NM_000577

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Protein Refseq	NP_000568
MIM	147679
UniProt ID	P18510
Chromosome Location	2q14.2
Pathway	Cytokine Signaling in Immune system, organism-specific biosystem; IL-1 Signaling Pathway, organism-specific biosystem; IL1-mediated signaling events, organism-specific biosystem; Immune System, organism-specific biosystem; Interleukin-1 signaling, organism-specific biosystem; Signaling by Interleukins, organism-specific biosystem;
Function	interleukin-1 Type I receptor antagonist activity; interleukin-1 Type II receptor antagonist activity; interleukin-1 receptor antagonist activity; interleukin-1 receptor antagonist activity; interleukin-1 receptor binding; interleukin-1, Type I receptor binding; interleukin-1, Type II receptor binding;