

## Recombinant Human IL1RN

Cat No:HR2R1571

For research use only

### Overview

Quantity	1.0 ?g
Gene Symbol	IL1RN
Gene ID	3557
Accession	P18510
Alternative Name	IRAP, ICIL-1RA, IL1 inhibitor, INN=Anakinra, IL1F3, IL-1ra, IL-1RN Recombinant Human Interleukin-1 Receptor Antagonist (IL1RN)
Species	Human
Source	E. coli
Description	IL1RN is found in the conditioned medium of a variety of cells and is produced by macrophages, monocytes, and neutrophils. The soluble form of IL1RN has been shown to be produced by hepatocytes and to be regulated by pro-inflammatory cytokines. It may help in the treatment of sepsis, cachexia, rheumatoid arthritis, chronic myelogenous leukemia, asthma, psoriasis, and inflammatory bowel disease.
Functions	The ED50 was determined by the ability to inhibit the IL-1 alpha mediated cell proliferation in a murine helper T cell line, for this effect, in the presence of 50 pg/mL of IL-1 alpha, is typically 20-60 ng/mL
Formulation	Lyophilized from a 0.2 ?m filtered tris solution with sodium chloride (pH 7.5)
Solubility	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Appearance	Lyophilized Powder
Molecular Weight	17
Purity	>95% as determined by SDS-PAGE
Concentration	<1.0 EU/?g of recombinant protein as determined by the LAL method.
Shipping Condition	Ambient Temperature
Storage Condition	The lyophilized protein is stable for at least one year from date of receipt at -70?C. Upon reconstitution, this cytokine can be stored in working aliquots at 2? - 8?C for one month, or at -20?C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.