

Recombinant Human IL1RN cell lysate

Cat. No. IL1RN-2912HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human IL1RA / IL1F3 derived in Human Cells. The whole cell lysate is provided in 1X Sample Buffer. Browse all transfected cell lysate positive controls
Species	Human
Source	Human Cells
Preparation method	Transfected cells were cultured for 48hrs before collection. The cells were lysed in modified RIPA buffer with cocktail of protease inhibitors. Cell debris was removed by centrifugation and then centrifuged to clarify the lysate. The cell lysate was boiled for 5 minutes in 1 x SDS sample buffer (50 mM Tris-HCl pH 6.8, 12.5% glycerol, 1% sodium dodecylsulfate, 0.01% bromophenol blue) containing 5% b-mercaptoethanol, and lyophilized.
Lysis buffer	Modified RIPA Lysis Buffer: 50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF
Quality control Testing	12.5% SDS-PAGE Stained with Coomassie Blue
Recommended Usage	1. Centrifuge the tube for a few seconds and ensure the pellet at the bottom of the tube. 2. Re-dissolve the pellet using 200µL pure water and boiled for 2-5 min. 3. Store it at -80°C. Recommend to aliquot the cell lysate into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles. Notes: The lysate is ready to load on SDS-PAGE for Western blot application. If dissociating conditions are required, add

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reducing agent prior to heating.

Stability

Samples are stable for up to twelve months from date of receipt at -80°C

Storage Buffer

50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF

Storage Instruction

Lysate samples are stable for 12 months from date of receipt when stored at -80°C. Avoid repeated freeze-thaw cycles. Prior to SDS-PAGE fractionation, boil the lysate for 5 minutes.

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](#)

Protein Refseq

[NP_000568](#)

MIM

[147679](#)

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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 binding; interleukin-1, Type I receptor binding; interleukin-1, Type II receptor binding;

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