

## Interleukin-1 Recombinant Protein | IL1RN recombinant protein

Interleukin-1 receptor antagonist, 26-177 aa, Human, E Coli

|                              |                       |                                 |
|------------------------------|-----------------------|---------------------------------|
| CATALOG #<br><b>AAA48460</b> | HOST<br><b>E Coli</b> | APPLICATIONS<br><b>SDS-Page</b> |
|------------------------------|-----------------------|---------------------------------|

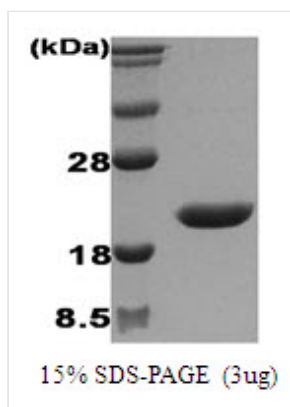
### PRODUCT SYNONYMS

Interleukin-1; Interleukin-1 receptor antagonist; 26-177 aa; Human; E Coli; IL1RN; IL1F3; IL1RA; IL-1ra; IL-1RN; IRAP; IL1 inhibitor; ICIL-1RA; Anakinra; Interleukin-1 receptor antagonist protein; ICIL 1RA; ICIL1RA; ; IL1RN recombinant protein

### PRODUCT SPECIFICATIONS

|                                                       |                                                                                                                                                                                 |
|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                  | E Coli                                                                                                                                                                          |
| Purity/Purification                                   | > 95% by SDS-PAGE                                                                                                                                                               |
| Form/Format                                           | Liquid. In phosphate buffer saline (pH 7.4)                                                                                                                                     |
| Concentration                                         | 1 mg/ml (determined by Bradford assay) (varies by lot)                                                                                                                          |
| Sequence                                              | MRPSGRKSSK MQAFRIWDVN QKTFYLRNNQ LVAGYLQGPN VNLEEKIDVV PIEPHALFLG IHGGKMCLSC<br>VKSGDETRLQ LEAVNITDLS ENRKQDKRFA FIRSDSGPTT SFESAACPGW FLCTAMEADQ PVSLTNMPDE<br>GVMVTKFYFQ EDE  |
| Sequence Length                                       | 177                                                                                                                                                                             |
| Applicable Applications for IL1RN recombinant protein | SDS-PAGE                                                                                                                                                                        |
| Antigen Species                                       | Human                                                                                                                                                                           |
| Endotoxin Level                                       | < 1.0 EU per 1 microgram of protein (determined by LAL method)                                                                                                                  |
| Preparation and Storage                               | Can be stored at 4 degree C short term (1-2 weeks).<br>For long term storage, aliquot and store at -20 degree C or -70 degree C.<br>Avoid repeated freezing and thawing cycles. |

### IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

|                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for IL1RN recombinant protein | One of the most potent pro-inflammatory mediators is the early-acting cytokine interleukin-1 (IL-1), whose actions are regulated by the structurally related IL-1 receptor antagonist (IL-1 RA). IL-1 RA is a competitive IL-1 inhibitor and a powerful anti-inflammatory agent. Also, Several autoimmune and inflammatory diseases have been associated with an allelic polymorphism of the IL-1 RA gene. Recombinant human IL-1 RA was expressed in E. coli and purified by using conventional chromatography techniques. |
| Product Categories/Family for IL1RN recombinant protein   | Hormones & Cytokines                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| References                                                | Capper., et al. (2004) Clin. Exp. Immunol. 138:348 ; Roberge CJ., et al. (1994) Journal of Immunology. 152: 5485-94 ; Carter DB., et al. (1990) Nature. 344: 633-7 ;                                                                                                                                                                                                                                                                                                                                                        |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                    |
|----------------------------------|--------------------------------------------------------------------|
| NCBI GI #                        | 27894319                                                           |
| NCBI GeneID                      | 3557                                                               |
| NCBI Accession #                 | NP_776214                                                          |
| NCBI GenBank Nucleotide #        | NM_173842.2                                                        |
| UniProt Accession #              | P18510; Q14628; Q53SC2; Q7RTZ4; Q96GD6; Q9UPC0; A8K4G1             |
| Molecular Weight                 | 17.2kDa (153aa), confirmed by MALDI-TOF.                           |
| NCBI Official Full Name          | interleukin-1 receptor antagonist protein isoform 1                |
| NCBI Official Synonym Full Names | interleukin 1 receptor antagonist                                  |
| NCBI Official Symbol             | IL1RN                                                              |
| NCBI Official Synonym Symbols    | DIRA; IRAP; IL1F3; IL1RA; MVCD4; IL-1RN; IL-1ra; IL-1ra3; ICIL-1RA |
| NCBI Protein Information         | interleukin-1 receptor antagonist protein                          |
| UniProt Protein Name             | Interleukin-1 receptor antagonist protein                          |
| UniProt Gene Name                | IL1RN                                                              |
| UniProt Synonym Gene Names       | IL1F3; IL1RA; IL-1RN; IL-1ra; IRAP                                 |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.