

## Active Recombinant Human IL1R1 protein

Cat. No. IL1R1-0310H Lot. No. (See product label)

### SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Active Recombinant Human IL1R1 protein(NP_000868.1)(Leu18-Thr332) is expressed from HEK293 without tag.   |
| <b>Species</b>          | Human   |
| <b>Source</b>           | HEK293  |
| <b>ProteinLength</b>    | 18-332 aa   |
| <b>Form</b>             | Lyophilized from 0.22 $\mu$ m filtered solution in PBS (pH 7.4).  |
| <b>Bio-activity</b>     | Human IL-1 Beta, His Tag captured on CM5 Chip via Anti-his antibody can bind Human IL-1R1, No Tag with an affinity constant of 11.37 nM as determined in SPR assay.   |
| <b>Molecular Mass</b>   | The protein has a predicted MW of 36.17 kDa. Due to glycosylation, the protein migrates to 50-65 kDa based on Bis-Tris PAGE result.   |
| <b>Endotoxin</b>        | Less than 1 EU per $\mu$ g by the LAL method.   |
| <b>Purity</b>           | > 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC  |
| <b>Storage</b>          | -20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**Reconstitution** Dissolve the lyophilized protein in distilled water.

## GENE INFORMATION

**Gene Name** IL1R1 interleukin 1 receptor, type I [ Homo sapiens ]

**Official Symbol** IL1R1

**Synonyms** IL1R1; interleukin 1 receptor, type I; IL1R, IL1RA; interleukin-1 receptor type 1; CD121A; D2S1473; IL-1R-1; IL-1RT1; IL-1RT-1; antigen CD121a; interleukin receptor 1; interleukin-1 receptor alpha; interleukin-1 receptor type I; CD121 antigen-like family member A; interleukin 1 receptor alpha, type I; P80; IL1R; IL1RA; IL-1R-alpha;

**Gene ID** 3554

**mRNA Refseq** NM\_000877

**Protein Refseq** NP\_000868

**MIM** 147810

**UniProt ID** P14778

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