## PRODUCT INFORMATION

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|---|---|
| **Target** | IL1R2 |
| **Synonyms** | IL1RB; CD121b; IL1R2c; CDw121b; IL-1R-2; IL-1RT2; IL-1RT-2 |
| **Description** | Recombinant human IL1R2 Protein with C-terminal mouse Fc tag |
| **Delivery** | In Stock |
| **Uniprot ID** | P27930 |
| **Expression Host** | HEK293 |
| **Tag** | C-mouse Fc tag |
| **Molecular Characterization** | IL1R2(Phe14-Glu343) mFc(Pro99-Lys330) |
| **Molecular Weight** | The protein has a predicted molecular mass of 64.0 kDa after removal of the signal peptide. The apparent molecular mass of IL1R2-mFc is approximately 70-130 kDa due to glycosylation. |
| **Purity** | The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining. |
| **Formulation & Reconstitution** | Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution. |
| **Storage&Shipping** | Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature. |
| **Background** | The protein encoded by this gene is a cytokine receptor that belongs to the interleukin 1 receptor family. This protein binds interleukin alpha (IL1A), interleukin beta (IL1B), and interleukin 1 receptor, type I(IL1R1/IL1RA), and acts as a decoy receptor that inhibits the activity of its ligands. Interleukin 4 (IL4) is reported to antagonize the activity of interleukin 1 by inducing the expression and release of this cytokine. This gene and three other genes form a cytokine receptor gene cluster on chromosome 2q12. Alternative splicing results in multiple transcript variants and protein isoforms. Alternative splicing produces both membrane-bound and soluble proteins. A soluble protein is also produced by proteolytic cleavage. [provided by RefSeq, May 2012] |
| **Usage** | Research use only |
| **Conjugate** | Unconjugated |

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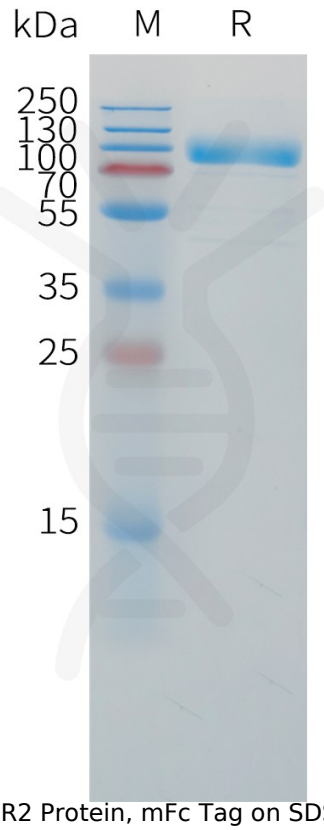



Figure 1. Human IL1R2 Protein, mFc Tag on SDS-PAGE under reducing condition.

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