

Datasheet for ABIN7597422
IL1R2 Protein (AA 14-343) (Fc Tag)



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Overview

Quantity:	10 µg
Target:	IL1R2
Protein Characteristics:	AA 14-343
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL1R2 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant human IL1R2 Protein with C-terminal human Fc tag
Sequence:	IL1R2(Phe14-Glu343) hFc(Glu99-Ala330)
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	IL1R2
Alternative Name:	IL1R2 (IL1R2 Products)
Background:	IL1RB, CD121b, IL1R2c, CDw121b, IL-1R-2, IL-1RT2, IL-1RT-2 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

Target Details

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]

Molecular Weight: predicted molecular mass of 63.9 kDa after removal of the signal peptide. The apparent molecular mass of IL1R2-hFc is 70-130 kDa due to glycosylation.

UniProt: [P27930](#)

Pathways: [NF-kappaB Signaling](#)

Application Details

Application Notes: Extracellular Domain Proteins (ECD) can be used as:

- Immunogens for antibody drug development
- Reagents used for CAR-T positive cell monitoring
- Reagents for antibody screening and functional testing
- Reagents for antibody affinity measurement

Comment: The protein was made using HEK293 mammalian cell secretion expression system to ensure the close-to-native structures and post-translational modifications of the target protein.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization.

Storage: -20 °C,-80 °C

Storage Comment: 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.

Expiry Date: 12 months