

Datasheet for ABIN7597395

## IL31RA Protein (AA 20-225) (Fc Tag)



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### Overview

|                               |                                              |
|-------------------------------|----------------------------------------------|
| Quantity:                     | 10 µg                                        |
| Target:                       | IL31RA                                       |
| Protein Characteristics:      | AA 20-225                                    |
| Origin:                       | Human                                        |
| Source:                       | HEK-293 Cells                                |
| Protein Type:                 | Recombinant                                  |
| Purification tag / Conjugate: | This IL31RA protein is labelled with Fc Tag. |

### Product Details

|           |                                                                                                       |
|-----------|-------------------------------------------------------------------------------------------------------|
| Purpose:  | Recombinant human IL31RA(20-225) Protein with C-terminal human Fc tag                                 |
| Sequence: | IL31RA(Ala20-Glu225) hFc(Glu99-Ala330)                                                                |
| Purity:   | The purity of the protein is greater than 90 % as determined by SDS-PAGE and Coomassie blue staining. |

### Target Details

|                   |                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | IL31RA                                                                                                                                                                                                                                                                                                                                                                      |
| Alternative Name: | IL31RA ( <a href="#">IL31RA Products</a> )                                                                                                                                                                                                                                                                                                                                  |
| Background:       | <p>CRL, GPL, CRL3, GLMR, GLM-R, PLCA2, hGLM-R, IL-31RA, PRO21384, zcytoR17</p> <p>The protein encoded by this gene belongs to the type I cytokine receptor family. This receptor, with homology to gp130, is expressed on monocytes, and is involved in IL-31 signaling via activation of STAT-3 and STAT-5. It functions either as a monomer, or as part of a receptor</p> |

## Target Details

|                   |                                                                                                                                                                                       |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                   | complex with oncostatin M receptor (OSMR). Several alternatively spliced transcript variants encoding different isoforms have been noted for this gene.[provided by RefSeq, Jun 2011] |
| Molecular Weight: | predicted molecular mass of 50.1 kDa after removal of the signal peptide. The apparent molecular mass of IL31RA(20-225)-hFc is 55-100 kDa due to glycosylation.                       |
| UniProt:          | <a href="#">Q8NI17</a>                                                                                                                                                                |

## Application Details

|                    |                                                                                                                                                                                                                                                                                                                                 |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Notes: | Extracellular Domain Proteins (ECD) can be used as: <ul style="list-style-type: none"><li>• Immunogens for antibody drug development</li><li>• Reagents used for CAR-T positive cell monitoring</li><li>• Reagents for antibody screening and functional testing</li><li>• Reagents for antibody affinity measurement</li></ul> |
| 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).<br>Lyophilized proteins are shipped at ambient temperature. |
| Expiry Date:     | 12 months                                                                                                                                                                                                                                              |