# Human IL-1R9/IL1RAPL2 (Fc Tag) recombinant protein

Catalog Number: 503747

## **General Information**

#### Gene Name Synonym

IL1RAPL-2-related protein; Interleukin-1 receptor 9; Three immunoglobulin domain-containing IL-1 receptor-related 1

#### **Protein Construction**

A DNA sequence encoding the extracellular domain (Met 1-Glu 356) of human IL1R9 (NP\_059112.1) precursor was expressed with the fused Fc region of human IgG1 at the C-terminus.

#### Organism

Human

#### **Expression Host**

Human Cells

## **QC Testing**

#### Purity

> 95 % as determined by SDS-PAGE

#### Endotoxin

< 1.0 EU per  $\mu g$  of the protein as determined by the LAL method

#### Stability

Samples are stable for up to twelve months from date of receipt at -70  $^{\circ}\mathrm{C}$ 

### **Predicted N terminal**

Thr 17

#### **Molecular Mass**

The recombinant human IL1R9/Fc is a disulfidelinked homodimeric protein generated by proteolytic removal of the signal peptide. The reduced monomer consists of 578 amino acids and has a predicted molecular mass of 66 kDa. In SDS-PAGE, the apparent molecular mass of rhIL1R9/Fc monomer is approximately 80-85 kDa due to glycosylation.

#### Formulation

Lyophilized from sterile 100mM Glycine, 10mM NaCl, 50mM Tris, pH 7.5 1. 5 % trehalose and mannitol are added as protectants before lyophilization. 2. Please contact us for any concerns or special requirements.

## **Usage Guide**

#### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

#### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

#### **SDS-PAGE**

KDa	М	
116		-
66.2	-	-
45.0	-	
35.0	-	1
25.0	-	
18.4	-	
14.4	-	

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