

# Human IL-17Rc Protein

Cat. No. IL1-HM2RC

## Description

<b>Source</b>	Recombinant Human IL-17Rc Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Leu21-Arg467.
<b>Accession</b>	NP_703190.2
<b>Molecular Weight</b>	The protein has a predicted MW of 76.2 kDa. Due to glycosylation, the protein migrates to 90-115 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per $\mu\text{g}$ by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE

## Formulation and Storage

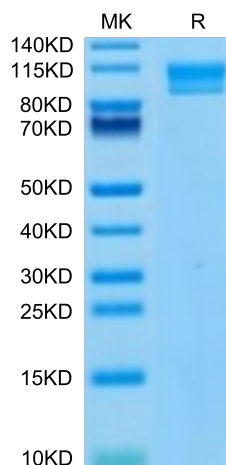
<b>Formulation</b>	Lyophilized from 0.22 $\mu\text{m}$ filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{ml}$ is recommended. Dissolve the lyophilized protein in distilled water.
<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.

## Background

IL-17RC (interleukin-17 receptor-like) gene codes for a transmembrane protein, the full length of which inhibits apoptosis in prostate cancer cells. IL-17RC gene transcribes over a dozen different splice variants of mRNA. IL-17RC protein isoforms are differentially expressed in prostatic cells and cancer tissues and may play a negative or positive role in the initiation and progression of prostate cancer.

## Assay Data

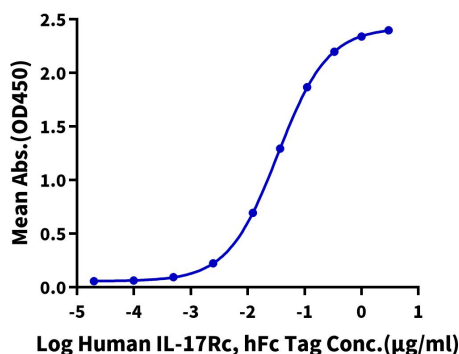
### Bis-Tris PAGE



Human IL-17Rc on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### ELISA Data

**Human IL-17Rc, hFc Tag ELISA**  
0.2 $\mu\text{g}$  Human IL-17A, His Tag Per Well



Immobilized Human IL-17A, His Tag at 2 $\mu\text{g}/\text{ml}$  (100 $\mu\text{l}/\text{Well}$ ) on the plate. Dose response curve for Human IL-17Rc, hFc Tag with the EC<sub>50</sub> of 33.8ng/ml determined by ELISA.