

## Recombinant Rat IL9R/Interleukin 9 receptor Protein (His Tag)

**Catalog Number:** PKSR030374

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

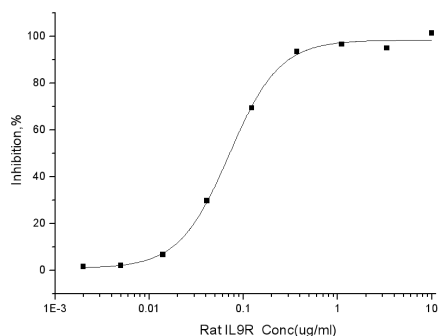
### Description

<b>Species</b>	Rat
<b>Source</b>	HEK293 Cells-derived Rat IL9R/Interleukin protein Met 1-Ala 270, with an C-terminal His
<b>Calculated MW</b>	28.2 kDa
<b>Observed MW</b>	36 kDa
<b>Accession</b>	EDM04022.1
<b>Bio-activity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 90 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from sterile PBS, pH 7.4 Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

### Data



Measured by its ability to inhibit IL-9 dependent proliferation of MC/9 mouse mast cells. Approximately 0.03-0.15 µg/mL of IL-9R will inhibit 50% of the biological response induced by 50 ng/mL of recombinant ratIL-9.

### Background

Interleukin 9 (IL9) is involved in mast cell maturation and the enhancement of IgE production by B cells. Furthermore, linkage data in human and mice have suggested that IL9 may contribute to asthma. IL9R is known to be autosomal in mice, and is X-linked only in primates. The more recent X linkage and more telomeric position of the IL9R gene may explain its autosomal, 'uninactivated' transcriptional status.

### For Research Use Only

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