

# Cynomolgus uPAR/PLAUR Protein

Cat. No. PAR-CM101

## Description

<b>Source</b>	Recombinant Cynomolgus uPAR/PLAUR Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Leu23-Gly305.
<b>Accession</b>	Q9GK78
<b>Molecular Weight</b>	The protein has a predicted MW of 32.69 kDa. Due to glycosylation, the protein migrates to 60-70 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 > 95% as determined by HPLC

## Formulation and Storage

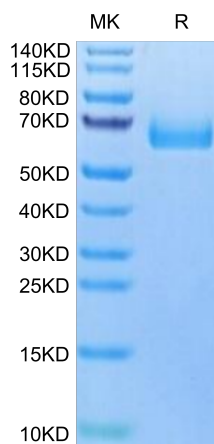
<b>Formulation</b>	Lyophilized from 0.22 $\mu\text{m}$ filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{ml}$ is recommended.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

The receptor (u-PAR) for urokinase plasminogen activator (u-PA) is a three-domain protein, GPI-anchored to the cell surface, which focuses the enzymatic activity of u-PA, and allows the cell surface activation of plasminogen. Regulation of the activity of u-PA is also mediated by u-PAR.

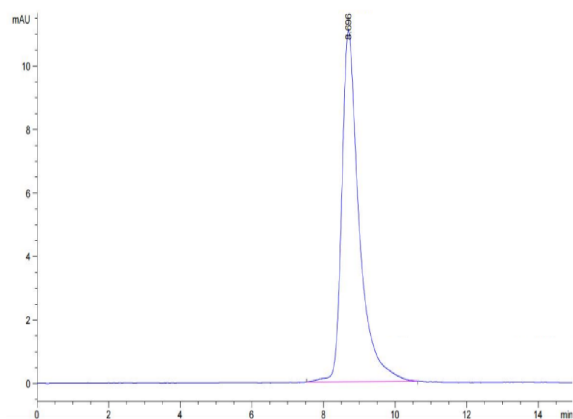
## Assay Data

### Bis-Tris PAGE



Cynomolgus uPAR on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC



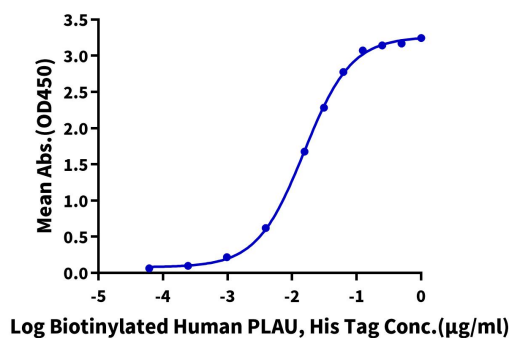
The purity of Cynomolgus uPAR is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

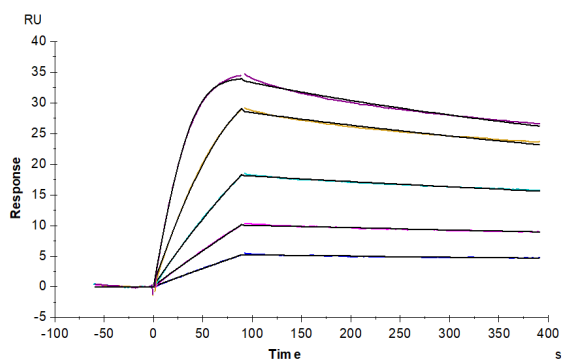
**Cynomolgus uPAR, His Tag ELISA**

0.2µg Cynomolgus uPAR, His Tag Per Well



Immobilized Cynomolgus uPAR, His Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human PLAUR, His Tag with the EC50 of 15.3ng/ml determined by ELISA (QC Test).

SPR Data



Cynomolgus uPAR, His Tag immobilized on CM5 Chip can bind Cynomolgus PLAUR, His Tag with an affinity constant of 0.033 nM as determined in SPR assay (Biacore T200).