

Cynomolgus uPAR/PLAUR Protein

Cat. No. PAR-CM101

Description

Source	Recombinant Cynomolgus uPAR/PLAUR Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Leu23-Gly305.
Accession	Q9GK78
Molecular Weight	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.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

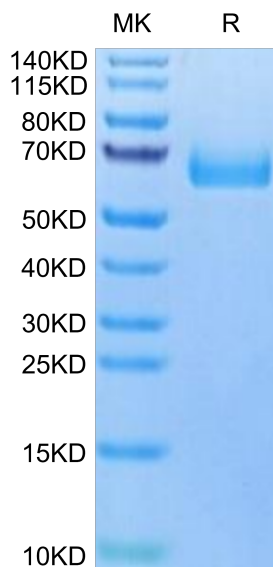
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{ml}$ is recommended. Dissolve the lyophilized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

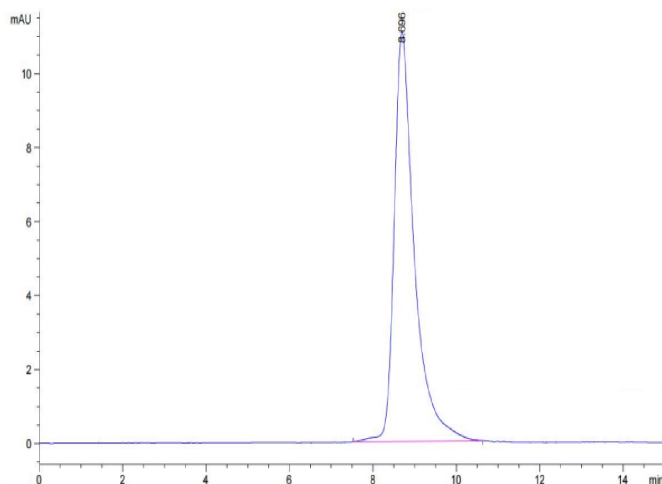
Bis-Tris PAGE



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

SEC-HPLC

Assay Data

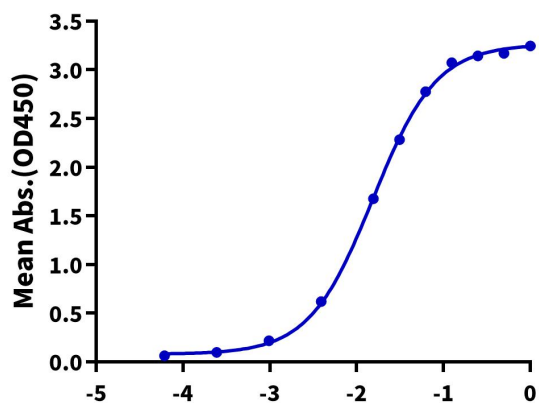


The purity of Cynomolgus uPAR is greater than 95% as determined by SEC-HPLC.

ELISA Data

Cynomolgus uPAR, His Tag ELISA

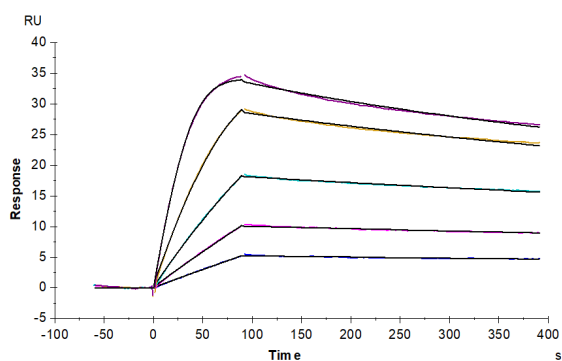
0.2µg Cynomolgus uPAR, His Tag Per Well



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

Log Biotinylated Human PLAU, His Tag Conc.(µg/ml)

SPR Data



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