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 1 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

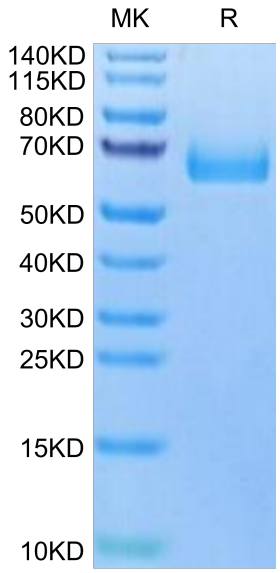
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 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

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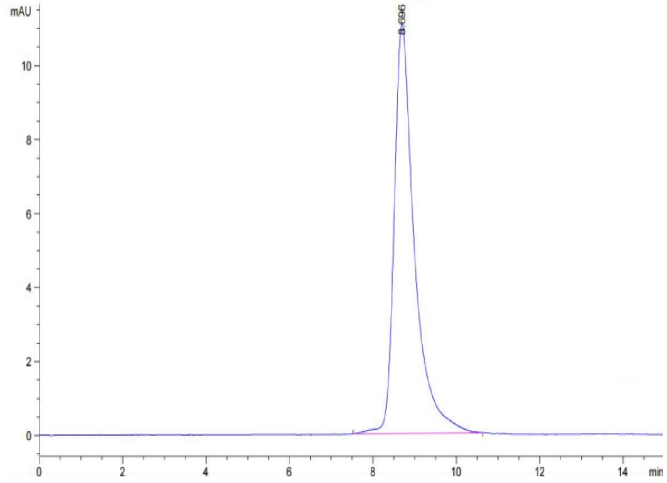
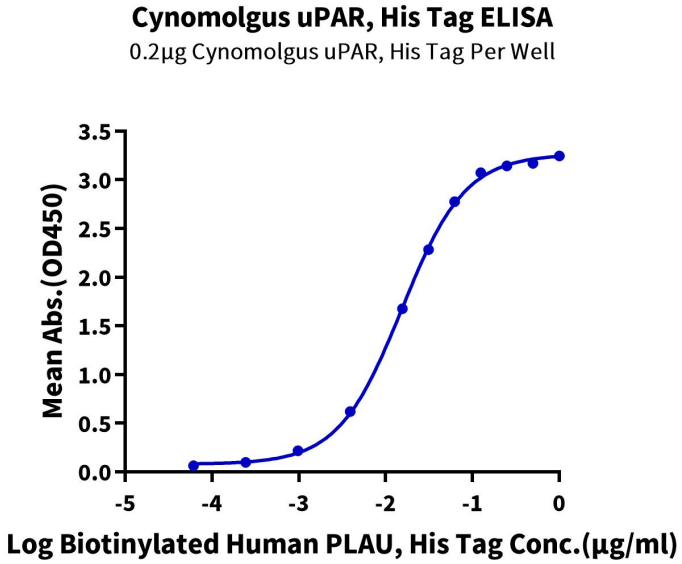
Assay Data



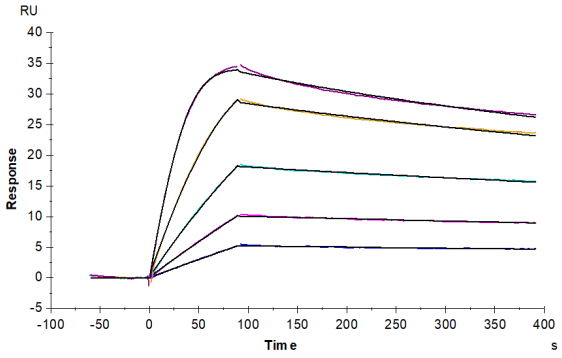
The purity of Cynomolgus uPAR is greater than 95% as determined by SEC-HPLC.

ELISA Data



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).

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).