

# Human uPAR/PLAUR Protein

Cat. No. PAR-HM201

## Description

<b>Source</b>	Recombinant Human uPAR/PLAUR Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Leu23-Gly305.
<b>Accession</b>	Q03405-1
<b>Molecular Weight</b>	The protein has a predicted MW of 58.2 kDa. Due to glycosylation, the protein migrates to 70-80 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

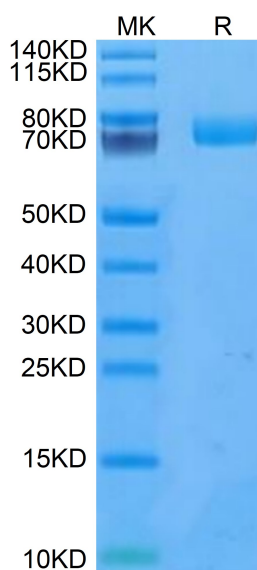
<b>Formulation</b>	Supplied as 0.22 $\mu\text{m}$ filtered solution in PBS (pH 7.4).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at $-80^{\circ}\text{C}$ . Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## 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.

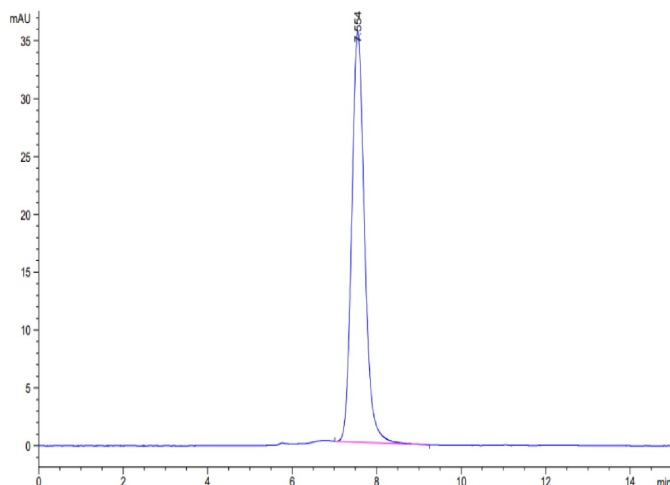
## Assay Data

### Bis-Tris PAGE



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

### SEC-HPLC



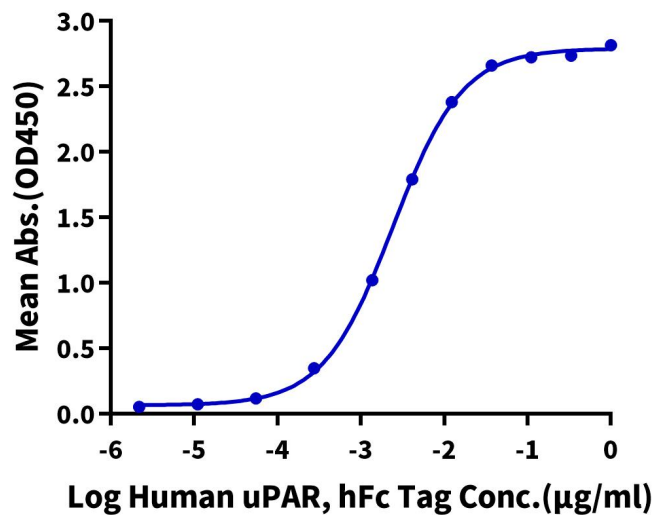
The purity of Human uPAR is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

**Human uPAR, hFc Tag ELISA**

0.05µg Human PLAU, His Tag Per Well



Immobilized Human PLAU, His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Human uPAR, hFc Tag with the EC50 of 2.4ng/ml determined by ELISA.