



Synonym

uPAR, PLAUR, CD87, MO3

Source

Human uPAR, His Tag(UPR-H5226) is expressed from human 293 cells (HEK293). It contains AA Leu 23 - Arg 303 (Accession # [AAH02788](#)).

Predicted N-terminus: Leu 23

Molecular Characterization

uPAR(Leu 23 - Arg 303)
AAH02788 Poly-his

This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 32.3 kDa. The protein migrates as 40-55 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per µg by the LAL method.

Purity

>92% as determined by SDS-PAGE.

>90% as determined by SEC-MALS.

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

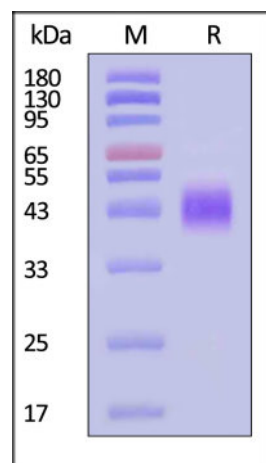
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

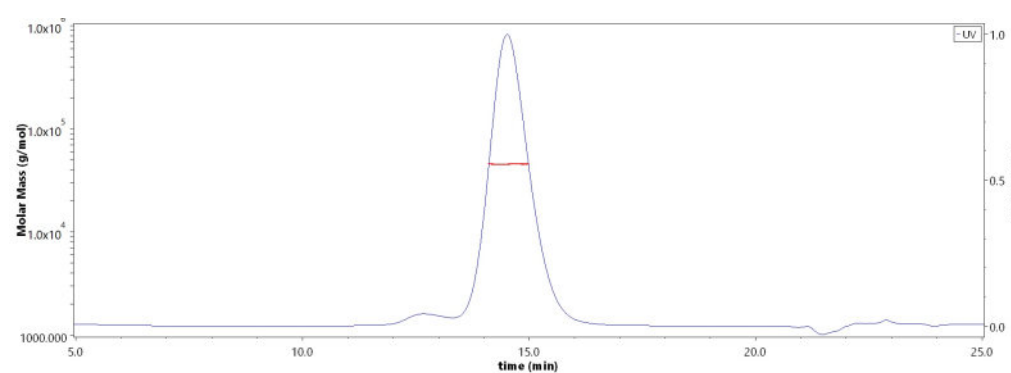
SDS-PAGE



Human uPAR, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 92% (With [Star Ribbon Pre-stained Protein Marker](#)).

Bioactivity-ELISA

SEC-MALS

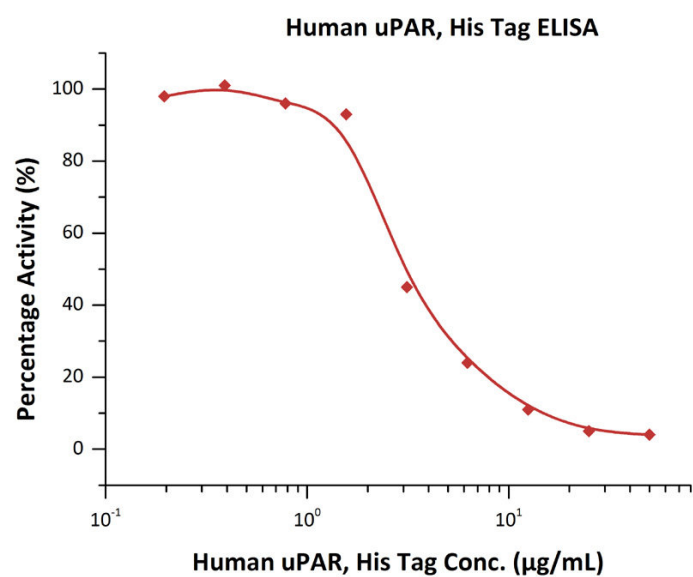


The purity of Human uPAR, His Tag (Cat. No. UPR-H5226) is more than 90% and the molecular weight of this protein is around 37-48 kDa verified by SEC-MALS.

[Report](#)

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Measured by its inhibitory ability in a competitive ELISA.

Serial dilutions of Human uPAR, His Tag (Cat. No. UPR-H5226) were added into Human PLAUR, His Tag (Cat. No. PLU-H5229) : Biotinylated Human uPAR, His,Avitag (Cat. No. UPR-H82E7) binding reactions. The half maximal inhibitory concentration (IC₅₀) is 2.96 µg/mL (QC tested).

Background

Urokinase plasminogen activator surface receptor (U-PAR) is also known as PLAUR, Monocyte activation antigen Mo3, CD antigen CD87. PLAUR contains three UPAR/Ly6 domains. U-PAR is expressed in neurons of the rolandic area of the brain (at protein level) and is also expressed in the brain. PLAUR / CD87 interacts with MRC2, SRPX2 and SORL1. PLAUR / UPAR acts as a receptor for urokinase plasminogen activator and plays a role in localizing and promoting plasmin formation. U-PAR mediates the proteolysis-independent signal transduction activation effects of U-PA.

Clinical and Translational Updates

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