

**Synonym**

uPAR,PLAUR,CD87,MO3

Source

Biotinylated Human uPAR, His,Avitag(UPR-H82E7) is expressed from human 293 cells (HEK293). It contains AA Leu 23 - Arg 303 (Accession # [Q03405-1](#)).

Predicted N-terminus: Leu 23

Molecular Characterization

uPAR(Leu 23 - Arg 303)
Q03405-1 Poly-his Avi

This protein carries a polyhistidine tag at the C-terminus, followed by an Avi tag (Avitag™).

The protein has a calculated MW of 35.0 kDa. The protein migrates as 45-60 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Labeling

Biotinylation of this product is performed using Avitag™ technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin.

Protein Ratio

Passed as determined by the HABA assay / binding ELISA.

Endotoxin

Less than 1.0 EU per µg by the LAL method.

Purity

>95% 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.

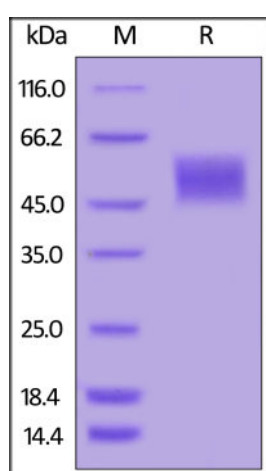
Storage

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

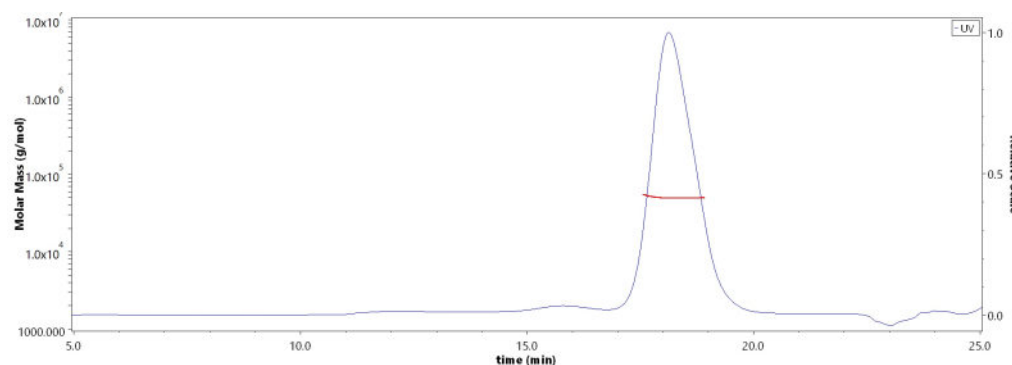
Please avoid repeated freeze-thaw cycles.

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.

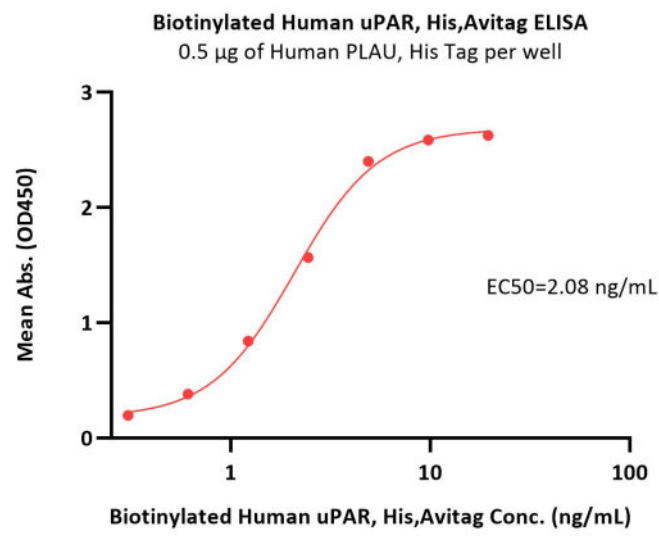
SDS-PAGE

Biotinylated Human uPAR, His,Avitag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%.

Bioactivity-ELISA**SEC-MALS**

The purity of Biotinylated Human uPAR, His,Avitag (Cat. No. UPR-H82E7) is more than 90% and the molecular weight of this protein is around 45-55 kDa verified by SEC-MALS.

[Report](#)**Discounts, Gifts,
and more!**



Immobilized Human PLAUR, His Tag (Cat. No. PLU-H5229) at 5 µg/mL (100 µL/well) can bind Biotinylated Human uPAR, His,Avitag (Cat. No. UPR-H82E7) with a linear range of 0.3-5 ng/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

Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.

Discounts, Gifts,
and more!

