

Synonym

uPAR,PLAUR,CD87,MO3

Source

Human uPAR, Fc Tag(UPR-H5254) 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	Fc(Pro 100 - Lys 330) P01857
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This protein carries a human IgG1 Fc tag at the C-terminus.
The protein has a calculated MW of 57.8 kDa. The protein migrates as 65-90 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 0.1 EU per µg by the LAL method / rFC method.

Purity

>95% as determined by SDS-PAGE.
>95% 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

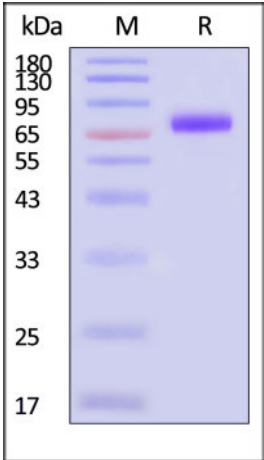
Please see Certificate of Analysis for specific instructions.
For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

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:

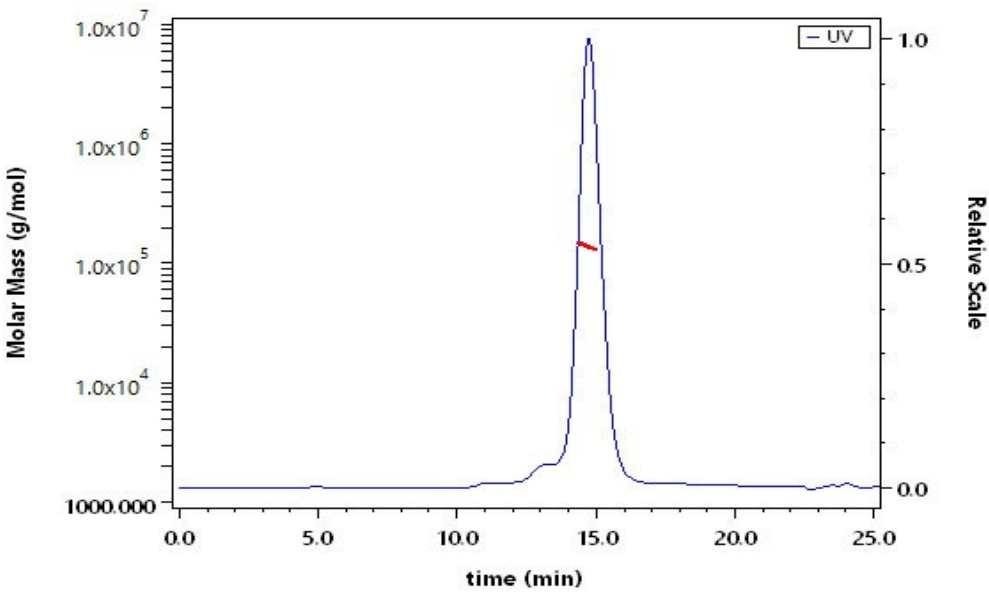
- 20°C to -70°C for 12 months in lyophilized state;
- 70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE



Human uPAR, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95% (With [Star Ribbon Pre-stained Protein Marker](#)).

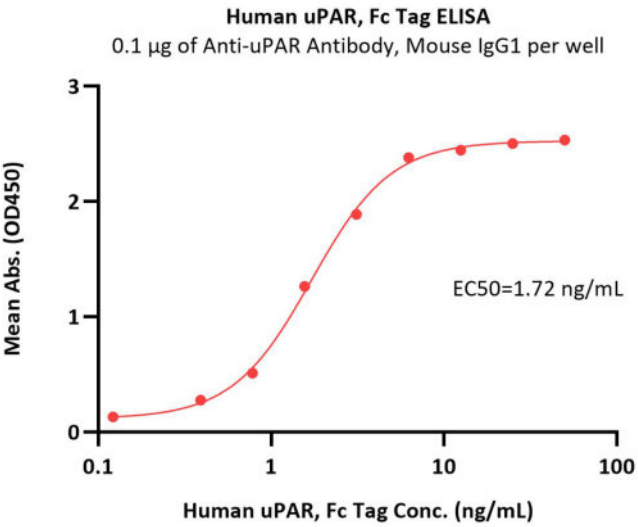
SEC-MALS



The purity of Human uPAR, Fc Tag (Cat. No. UPR-H5254) is more than 95% and the molecular weight of this protein is around 124-151 kDa verified by SEC-MALS.
[Report](#)

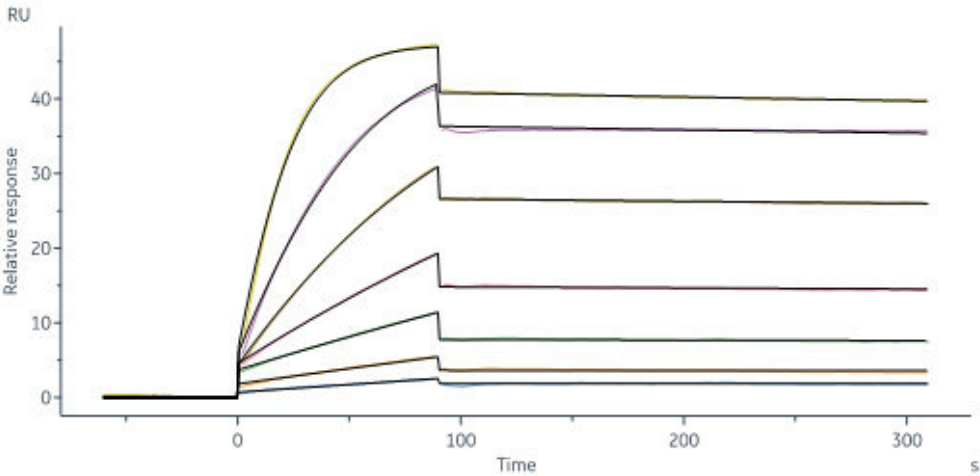
Bioactivity-ELISA





Immobilized Anti-uPAR Antibody, Mouse IgG1 at 1 µg/mL (100 µL/well) can bind Human uPAR, Fc Tag (Cat. No. UPR-H5254) with a linear range of 0.4-6 ng/mL (QC tested).

Bioactivity-SPR



Human uPAR, Fc Tag (Cat. No. UPR-H5254) captured on Protein A Chip can bind Human PLAUR / uPA Protein, His Tag (Cat. No. PLU-H5229) with an affinity constant of 10.6 pM as determined in SPR assay (Biacore 8K) (Routinely 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.

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