

### Synonym


uPAR,PLAUR,CD87,MO3

### Source

Mouse uPAR, His Tag (UPR-M52H3) is expressed from human 293 cells (HEK293). It contains AA Leu 24 - Pro 296 (Accession # [P35456-1](#)).

Predicted N-terminus: Leu 24

### Molecular Characterization

 [Online](#)(Leu 24 - Pro 296) P35456-1

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

The protein has a calculated MW of 31.7 kDa. The protein migrates as 45-63 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

### Endotoxin

Less than 1.0 EU per µg by the LAL method.

### Purity

>90% as determined by SDS-PAGE.

### Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.

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

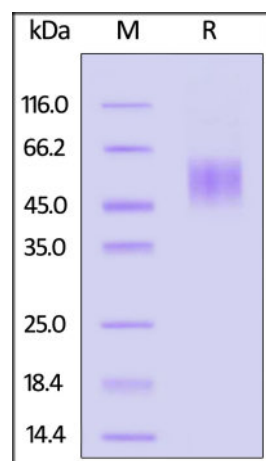
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*Please avoid repeated freeze-thaw cycles.*

This product is stable after storage at:

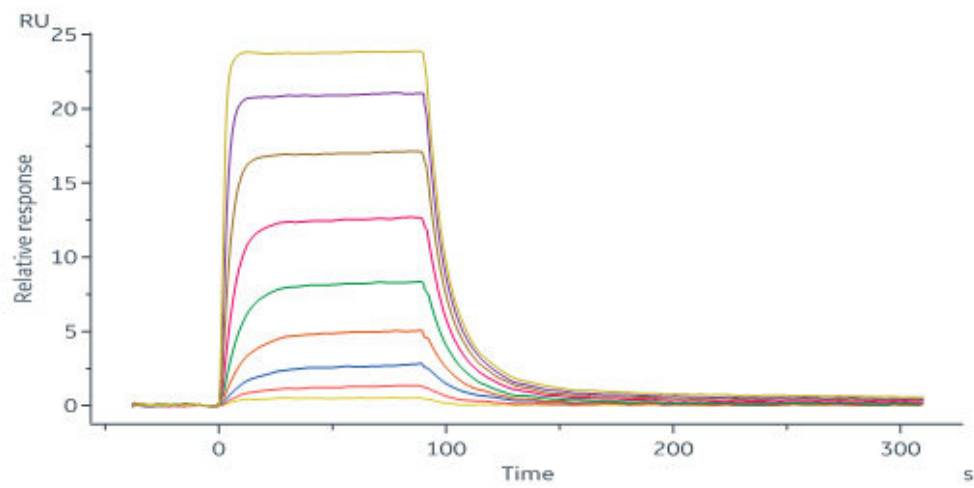
- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

### SDS-PAGE



Mouse uPAR, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.

### Bioactivity-SPR



Mouse uPAR, His Tag (Cat. No. UPR-M52H3) immobilized on CM5 Chip can bind Human PLAUR, His Tag (Cat. No. PLU-H5229) with an affinity constant of 14.1 nM as determined in a SPR assay (Biacore 8K) (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](mailto:TechSupport@acrobiosystems.com) if you have any question on this product.