Human uPAR / PLAUR (112-303) Protein, His Tag

Catalog # UPR-H52H4

Synonym

uPAR,PLAUR,CD87,MO3

Source

Human uPAR (112-303), His Tag (UPR-H52H4) is expressed from human 293 cells (HEK293). It contains AA Ser 112 - Arg 303 (Accession # Q03405-1). Predicted N-terminus: Ser 112

Molecular Characterization

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

The protein has a calculated MW of 23.2 kDa. The protein migrates as 35-45 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

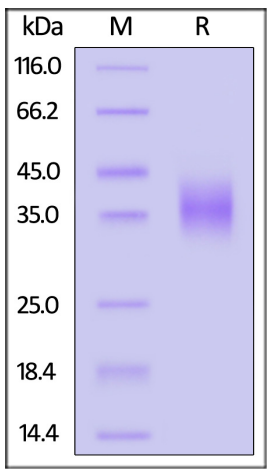
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

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



Human uPAR (112-303), 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%.

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.