

**Synonym**

uPAR, PLAUR, CD87, MO3

**Source**

APC-Labeled Human uPAR Protein, His Tag (UPR-HA2H9) is produced via conjugation of APC to Human uPAR Protein, His Tag with a new generation site-specific technology under optimal conditions with a proprietary technology. Human uPAR Protein, His Tag 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
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This protein carries a polyhistidine tag at the C-terminus

The protein has a calculated MW of 35.0 kDa.

**Conjugate**

APC

Excitation Wavelength: 640 nm

Emission Wavelength: 661 nm

**Application**

Please note that this product is NOT compatible to streptavidin detection system.

**Formulation**Lyophilized from 0.22  $\mu$ m filtered solution in PBS, 0.5% BSA, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

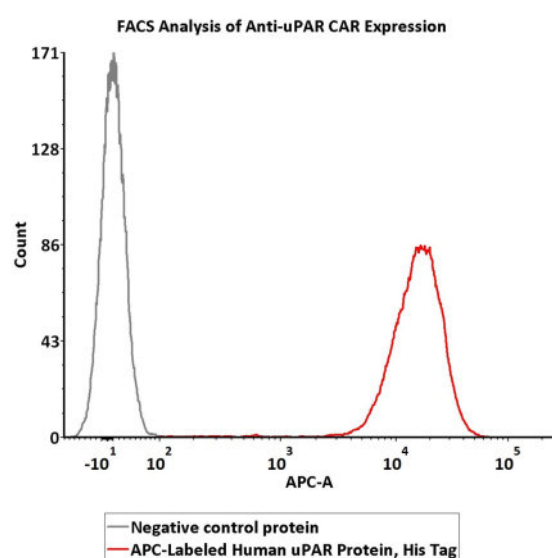
**Reconstitution**

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  $-20^{\circ}\text{C}$  or lower.*Please protect from light and avoid repeated freeze-thaw cycles.*

This product is stable after storage at:

- $-20^{\circ}\text{C}$  to  $-70^{\circ}\text{C}$  for 12 months in lyophilized state;
- $-70^{\circ}\text{C}$  for 3 months under sterile conditions after reconstitution.

**Bioactivity-FACS**

5e5 of anti-uPAR CAR-293 cells were stained with 100  $\mu$ L of 1:50 dilution (2  $\mu$ L stock solution in 100  $\mu$ L FACS buffer) of APC-Labeled Human uPAR Protein, His Tag (Cat. No. UPR-HA2H9) and negative control protein respectively. APC signal was used to evaluate the binding activity (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.