

## FITC-Labeled uPAR Protein, Human (HEK293, His)

Cat. No.:	HY-P701297
Synonyms:	uPAR; PLAUR; CD87; MO3
Species:	Human
Source:	HEK293
Accession:	Q03405 (L23-R303)
Gene ID:	5329
Molecular Weight:	45-60 kDa

### PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from 0.22 µm filtered solution of PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O.
Storage & Stability	Stored at -20°C for 1 year, protect from light. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

Background	uPAR Protein functions as a receptor for urokinase plasminogen activator, actively participating in the localization and facilitation of plasmin formation. Additionally, it serves as a mediator of the proteolysis-independent signal transduction activation effects induced by U-PA. Subject to negative-feedback regulation by U-PA, uPAR Protein undergoes cleavage into an inactive form. Typically existing as a monomer, it interacts with various proteins, including MRC2, SRPX2 (via the UPAR/Ly6 domains), and FAP (seprase), with the latter interaction occurring at the cell surface of invadopodia membrane. Moreover, uPAR Protein engages in an interaction with SORL1, specifically through the N-terminal ectodomain, and this interaction has been associated with a decrease in PLAUR internalization. Notably, the formation of a ternary complex composed of PLAUR, PLAU (urokinase-type plasminogen activator), and SERPINE1 also involves an interaction with SORL1.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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