

uPAR Protein, Human (GST)

Cat. No.:	HY-P702769
Synonyms:	Urokinase plasminogen activator surface receptor; U-PAR; CD87; PLAUR; MO3
Species:	Human
Source:	E. coli
Accession:	Q03405 (L23-G305)
Gene ID:	5329
Molecular Weight:	58.5 kDa

PROPERTIES

AA Sequence	<p> L R C M Q C K T N G D C R V E E C A L G Q D L C R T T I V R L W E E G E E L E L V E K S C T H S E K T N R T L S Y R T G L K I T S L T E V V C G L D L C N Q G N S G R A V T Y S R S R Y L E C I S C G S S D M S C E R G R H Q S L Q C R S P E E Q C L D V V T H W I Q E G E E G R P K D D R H L R G C G Y L P G C P G S N G F H N N D T F H F L K C C N T T K C N E G P I L E L E N L P Q N G R Q C Y S C K G N S T H G C S S E E T F L I D C R G P M N Q C L V A T G T H E P K N Q S Y M V R G C A T A S M C Q H A H L G D A F S M N H I D V S C C T K S G C N H P D L D V Q Y R </p>
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, 6% Trehalose, pH 7.4.
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 ₂ O.
Storage & Stability	Stored at -20°C for 2 years. 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	<p>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.</p>
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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.

Caution: Product has not been fully validated for medical applications. For research use only.

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