

uPAR Protein, Mouse (HEK293, His)

Cat. No.:	HY-P77276
Synonyms:	Urokinase plasminogen activator surface receptor; U-PAR; CD87; PLAUR; MO3
Species:	Mouse
Source:	HEK293
Accession:	P35456 (M1-T297)
Gene ID:	18793
Molecular Weight:	50-60 kDa

PROPERTIES

Biological Activity	Measured by its ability to bind with uPA-His in a functional ELISA.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μ m filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/ μ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μ g/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	The uPAR protein functions as a receptor for urokinase plasminogen activator and plays a crucial role in localizing and facilitating the formation of plasmin. Additionally, it mediates signal transduction activation effects of U-PA independently of proteolysis. It is predominantly found as a monomer and interacts with SRPX2 through its UPAR/Ly6 domains. uPAR also interacts with MRC2 and SORL1, with the latter interaction reducing PLAUR internalization. Moreover, the ternary complex consisting of PLAUR-PLAU-SERPINE1 also interacts with SORL1.
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Caution: Product has not been fully validated for medical applications. For research use only.

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