

## uPAR Protein, Mouse (Biotinylated, HEK293, His-Avi)

Cat. No.:	HY-P700848
Synonyms:	U-PAR; uPAR; CD87; PLAUR; MO3; UPAR
Species:	Mouse
Source:	HEK293
Accession:	P35456-1 (L24-G298)
Gene ID:	/
Molecular Weight:	55-65 kDa

### PROPERTIES

Biological Activity	Human PLAUR, His Tag immobilized on CM5 Chip can bind Biotinylated Mouse uPAR, His Tag with an affinity constant of 418.50 nM as determined in SPR assay (Biacore T200).
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 $\mu$ m filtered solution of PBS, pH 7.4. Normally 8% trehalose is added as protectant before lyophilization.
Endotoxin Level	<1 EU/ $\mu$ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 $\mu$ g/mL in ddH <sub>2</sub> 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.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA