uPAR Protein, Cynomolgus (HEK293, His)

Cat. No.:	HY-P700897
Synonyms:	U-PAR; uPAR; CD87; PLAUR; MO3; UPAR
Species:	Cynomolgus
Source:	HEK293
Accession:	Q9GK78 (L23-G305)
Gene ID:	102139334
Molecular Weight:	60-70 kDa

PROPERTIES

Biological Activity	Immobilized Cynomolgus uPAR, His Tag at 1μg/ml (100μl/well) on the plate. Dose response curve for Biotinylated Human PLAU, His Tag with the EC_{50} of 13.8ng/ml determined by ELISA.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Normally 8% trehalose is added as protectant before lyophilization.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O.
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	uPAR Protein serves as a receptor for urokinase plasminogen activator, playing a crucial role in localizing and facilitating plasmin formation. Additionally, it mediates the proteolysis-independent signal transduction activation effects of U-PA. Subject to negative-feedback regulation by U-PA, uPAR undergoes cleavage into an inactive form. It typically exists as a monomer, and interacts with various proteins, including SRPX2 and MRC2. Notably, it forms a complex with FAP (seprase) at the cell surface of invadopodia membrane, contributing to cellular processes involved in proteolysis and signaling. Moreover, uPAR engages in a ternary complex with PLAU (urokinase-type plasminogen activator) and SERPINE1, and this complex also interacts with SORL1, further highlighting its multifaceted interactions in cellular functions.

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

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