PLAU/uPA Protein, Rat (HEK293, His)

Cat. No.:	HY-P73561
Synonyms:	Urokinase-type plasminogen activator; uPA; PLAU
Species:	Rat
Source:	HEK293
Accession:	Q3KR76/NP_037217.3 (G20-F432)
Gene ID:	25619
Molecular Weight:	30-35 kDa

PROPERTIES

Biological Activity	Human uPAR, hFc Tag captured on CM5 Chip via Protein A can bind Rat PLAU, His Tag with an affinity constant of 4.31 μM as determined in SPR assay (Biacore T200).
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 μm 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/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	PLAU, also known as uPA (urokinase-type plasminogen activator), is distinguished by the absence of conserved residue(s) necessary for the propagation of feature annotation. This unique characteristic raises intriguing questions about the structural and functional aspects of PLAU, suggesting potential distinctions in its molecular interactions within the context of plasminogen activation and the regulation of fibrinolysis. The absence of these conserved residues underscores the specific attributes of PLAU and underscores the need for in-depth investigations to elucidate its distinctive roles in cellular processes and pathological conditions.

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