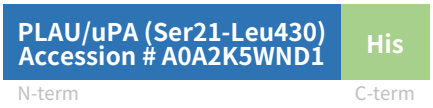
Rev02
Update: Aug,08,2025

DATASHEET

PLAU/uPA (active form), His, Cynomolgus

Cat. No.: Z04898

Product Introduction

Species	Cynomolgus
Protein Construction	
Purity	> 95% as determined by BisTris PAGE > 95% as determined by HPLC
Endotoxin Level	Less than 1EU per μg by the LAL method.
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized PLAU/uPA (active form), His, Cynomolgus at 2μg/ml (100μl/well) on the plate can bind Human uPAR, hFc Tag. Test result was comparable to standard batch. Measured by its ability to cleave a peptide substrate,NcarbobenzyloxyGlyGlyArg7amido4methylcoumarin (ZGGRAMC). The specific activity is >2000 pmol/min/μg. Test result meets the standard.
Expression System	HEK293
Theoretical Molecular Weight	47.23 kDa
Apparent Molecular Weight	Due to protein lysis and glycosylation, the protein migrates to 23-25 kDa (long chain A), 35-40 kDa (chain B) and 50-60 kDa (long chain A&chain B) based on Bis-Tris PAGE result.
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4).
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage & Stability	Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.

Background

Target Background : Plasminogen activator, urokinase (uPA) is a secreted serine protease whose Dysregulation is often accompanied by various cancers. PLAU inhibition could suppress tumor growth. Collectively, PLAU is necessary for tumor progression and can be a diagnostic and prognostic biomarker in HNSCC.

Synonyms : PLAU; Urokinase; ATF; UPA; URK; u-PA; BDPLT5; QPD

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