

Recombinant Human Urokinase/uPA Protein (His Tag)

Catalog No. PKSH033400

Description

Synonyms	Urokinase-Type Plasminogen Activator; U-Plasminogen Activator; uPA;PLAU;ATF;BDPLT5;QPD;u-PA;UPA;URK
Species	Human
Expression_host	Human Cells
Sequence	Ser21-Leu431
Accession	NP_002649.1
Mol_Mass	47.4 kDa
AP_Mol_Mass	52 kDa
Tag	C-6His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at<-20°C.
Formulation	Supplied as a 0.2 µm filtered solution of 20mM HEPES, 150mM NaCl, 2mM CaCl, 10% Glycerol, pH 7.5.
Reconstitution	Not Applicable

Background

Recombinant Human Urokinase-Type Plasminogen Activator is a serine protease, which specifically cleaves the zymogen plasminogen to form the active enzyme plasmin. Urokinase-Type Plasminogen Activator is a potent marker of invasion and metastasis in many human cancers associated with breast, colon, stomach, bladder, brain, ovary and endometrium. Human Urokinase-Type Plasminogen Activator is initially synthesized as 431 amino acid precursor with a N-terminal signal peptide residues. The single chain molecule is processed into a disulfide-linked two-chain molecule. There exists two forms A chain, the long A chain contains an EGF-like domain that is responsible for binding of the uPA receptor. The B chain corresponds to the catalytic domain.

SDS-PAGE

