Recombinant Protein Technical Manual

Recombinant Human Urokinase/uPA Protein (His Tag)

RPES3492

Product Data:

Product SKU: RPES3492

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: NP_002649.1

Protein Information:

Molecular Mass: 47.4 kDa

AP Molecular Mass: 52 kDa

Tag: C-6His

Bio-activity:

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: Please refer to the printed manual for detailed information.

Application:

Synonyms: Urokinase-Type Plasminogen Activator; U-Plasminogen Activator; uPA;PLAU;ATF;BDPLT5;QPD;u-PA;UPA;URK

Immunogen Information:

Sequence: Ser21-Leu431

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.