Recombinant human u-Plasminogen Activator/Urokinase protein

Catalog Number: ATGP3383

PRODUCT INFORMATION

Expression system
Baculovirus

Domain
21-431aa

UniProt No.
P00749

NCBI Accession No.
NP_002649.1

Alternative Names
Urokinase-type plasminogen activator, PLAU, ATF, BDPLT5, QPD, u-PA, UPA, URK, Endothelial plasminogen activator inhibitor, PAI, PAI 1, PLANH1, Plasminogen activator inhibitor 1, Plasminogen activator urinary, Plasminogen activator urokinase, Serine (or cysteine) proteinase inhibitor clade E (nexin plasminogen activator inhibitor type 1) member 1, Serpin E1, Serpin peptidase inhibitor clade E (nexin plasminogen activator inhibitor type 1) member 1, SERPINE1, u PA, U plasminogen activator, UPA, URK, Urokinase type plasminogen activator

PRODUCT SPECIFICATION

Molecular Weight
47.4 kDa (419aa)

Concentration
0.5mg/ml (determined by absorbance at 280nm)

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity
> 95% by SDS-PAGE

Endotoxin level
< 1 EU per 1ug of protein (determined by LAL method)

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Recombinant human u-Plasminogen Activator/Urokinase protein

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Description

PLAU, also known as urokinase-type plasminogen activator, is a serine protease which converts plasminogen to plasmin. It is a broad-spectrum protease active on extracellular matrix (ECM) components. It is involved in complement activation, cell migration, wound healing, and generation of localized extracellular proteolysis during tissue remodeling, pro-hormone conversion, carcinogenesis and neoplasia. Recombinant human PLAU, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

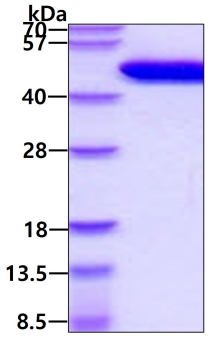
SNELHQVPSN CDCLNGGTCV SNKYFSNIHW CNCPKKFGGQ HCEIDKSKTC YEGNGHFYRG KASTDTMGRP CLPWNSATVL QQTYHAHRSD ALQLGLGKHN YCRNPDNRRR PWCYVQVGLK PLVQECMVHD CADGKKPSSP PEELKFQCGQ KTLRPRFKII GGEFTTIENQ PWFAAIYRRH RGGSVTYVCG GSLISPCWVI SATHCFIDYP KKEDYIVYLG RSRLNSNTQG EMKFEVENLI LHKDYSADTL AHHNDIALLK IRSKEGRCAQ PSRTIQTICL PSMYNDPQFG TSCEITGFGK ENSTDYLYPE QLKMTVVKLI SHRECQQPHY YGSEVTTKML CAADPQWKTD SCQGDSGGPL VCSLQGRMTL TGIVSWGRGC ALKDKPGVYT RVSHFLPWIR SHTKEENGLA L<LEHHHHHH>

General References

Crippa MP., et al. (2007) Int J Biochem Cell Biol. 39:690-694.
Kunamneni A., et al. (2008) Recent Pat Cardiovasc Drug Discov. 3:45-58.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.