

**PLAU, 21-431aa, Human, His tag, Baculovirus (Bioactivity Validated)**

**Cat.NO.: TP03432**

3th Edition

**Synonyms:**Urokinase-type plasminogen activator, PLAU, ATF, BDPLT5, QPD, u-PA, UPA, URK, Endothelial plasminogen activator inhibitor, PAIPAI 1, PLANH1.

**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.

**Form:**Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

**Molecular Weight:**47.4kDa (419aa), 40-57kDa (SDS-PAGE under reducing conditions)

**Sequences:**

SNELHQVPSNCDCLNGGTCVSNKYFSNIHWCNCPKFGGQHCEIDKSKTCYEGNGHFYRGKASTDTMGRPCLPW  
NSATVLQQTYHAHRSDALQLGLGKHNYCRNPDNRRRPWCYVQVGLKPLVQECMVHDCADGKKPSSPPEELKFQ  
CGQKTLRPRFKIIGGEFTTIENQPWFAAIYRRHRGGSVTYVCGGSLISPCWVISATHCFIDYPPKEDYIVYLGRSRLN  
SNTQGEMKFEVENLILHKDYSADTLAHHNDIALLKIRSKEGRCAQPSRTIQTICLPSMYNDPQFGTSCEITGFGKENS  
TDYLYPEQLKMTVVKLISHRECQPPHYYGSEVTTKMLCAADPQWKT DSCQGDSGGPLVCSLQGRMTLTGIVSWG  
RGCALKDKPGVYTRVSHFLPWIRSHTKKEENGLALLEHHHHHH

**Purity:**> 95% by HPLC

**Concentration:**0.5mg/ml (determined by Absorbance at 280nm)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.