

PLAT, 311-562aa, Human, His-tag, Baculovirus

Cat.NO.: TP03427

3th Edition

Synonyms: Plasminogen activator, tissue type, PLAT, T-PA, TPA

Description: PLAT, also known as plasminogen activator, tissue type, is serine protease secreted by many cell types that participate in biological processes, such as tissue restructuring, cell migration, and tumor metastasis. It is used to dissolve coronary fibrin clots that are the proximal causes of acute myocardial infarction. It plays a crucial role in regulating blood fibrinolysis, in maintaining the homeostasis of extracellular matrix and in modulating the post-translational activation of growth factors. Recombinant human PLAT, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form: Liquid. In 50mM MES (pH 5.0) containing 5mM CaCl₂, 1mM DTT, 0.5M NaCl, 30% glycerol.

Molecular Weight: 29.2kDa (261aa), 28-40kDa (SDS-PAGE under reducing conditions)

Sequences:

ADPIKGGFLFADIASHPWQAAIFAKHRRSPGERFLCGGILISSCWILSAAHCFQERFPPHHLTVILGRTYRVVPGEEEQ
KFEVEKYIVHKEFDDDTYDNDIALQLKSDSSRCAQESSVVRTVCLPPADLQLPDWTECELSGYGKHEALSPFYSE
RLKEAHVRLYPSSRCTSQHLLNRTVTDNMLCAGDTRSGGPQANLHDACQGDSGGPLVCLNDGRMTLVGIISWGL
GCGQKDVPGVYTKVTNYLDWIRDNMRPHHHHHH

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.