

PLAT, 24-562aa, Human, His-tag, Baculovirus

Cat.NO.: TP03426

3th Edition

Synonyms:Tissue-type plasminogen activator isoform 1, PLAT, T-PA, TPA

Description:PLAT, as known as tissue-type plasminogen activator isoform 1, is a secreted serine protease synthesized by endothelial cells. This protein is secreted as a single chain polypeptide precursor which is cleaved in turn by plasmin. Also, it plays a role clinical medicine to treat stroke in cell migration and tissue remodeling. It is implicated in normal neural function and is suggested as a regulatory molecule in neurodegenerative diseases. 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 buffer (pH 5.5) containing 40% glycerol, 5mM CaCl₂, 1mM DTT, 0.5M NaCl.

Molecular Weight:61.3kDa (545aa), 50-70kDa (SDS-PAGE under reducing conditions.)

Sequences:

```
QEIHARFRRGARSYQVICRDEKTQMIYQQHQSWLRPVLRNSNRVEYCWNSGRAQCHSVPVKSCSEPRCFNGGTC
QQALYFSDFVCQCPEGFAGKCCCEIDTRATCYEDQGISYRGTWSTAESGAECTNWNSSALAQKPYSGRRPDAILRG
LGNHNYCRNPDRDSKPWCYVFKAGKYSSEFCSTPACSEGNSDCYFGNGSAYRGTHSLTESGASCLPWNSMILIG
KVYTAQNPSAQAALGLGKHNYCRNPDGDAKPWCHVLKNRRLTWEYCDVPSCSTCGLRQYSQPQFRIKGGLFADIA
SHPWQAAIFAKHRRSPGERFLCGGILISSCWILSAAHCFQERFPPHHLTVILGRTYRVVPGEEEQKFEVEKYIVHKEF
DDDTYDNDIALQLKSDSSRCAQESSVVRTVCLPPADLQLPDWTECELSGYGKHEALSPFYSERLKEAHVRLYPSS
RCTSQHLLNRTVTDNMLCAGDTRSGGPQANLHDACQGDSGGPLVCLNDGRMTLVGIISWGLGCGQKDVPGVYTK
VTNYLDWIRDNMRPHHHHHH
```

Purity:> 95% by HPLC

Concentration:0.25mg/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.