NKMAXBio we support you, we believe in your research Recombinant human t-Plasminogen Activator/PLAT protein Catalog Number: ATGP3486

## **PRODUCT INFORMATION**

**Expression system** Baculovirus

**Domain** 24-562aa

**UniProt No.** P00750

NCBI Accession No. NP\_000921

Alternative Names Tissue-type plasminogen activator isoform 1, PLAT, T-PA, TPA

# **PRODUCT SPECIFICATION**

Molecular Weight 61.3 kDa (545aa)

**Concentration** 0.25mg/ml (determined by absorbance at 280nm)

#### Formulation

Liquid in. 50mM MES buffer (pH 5.5) containing 40% glycerol, 5mM CaCl2, 1mM DTT, 0.5M NaCl

#### Purity

> 90% 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

#### 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.



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Recombinant human PLAT, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

#### **Amino acid Sequence**

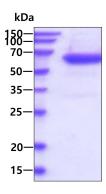
QEIHARFRRG ARSYQVICRD EKTQMIYQQH QSWLRPVLRS NRVEYCWCNS GRAQCHSVPV KSCSEPRCFN GGTCQQALYF SDFVCQCPEG FAGKCCEIDT RATCYEDQGI SYRGTWSTAE SGAECTNWNS SALAQKPYSG RRPDAIRLGL GNHNYCRNPD RDSKPWCYVF KAGKYSSEFC STPACSEGNS DCYFGNGSAY RGTHSLTESG ASCLPWNSMI LIGKVYTAQN PSAQALGLGK HNYCRNPDGD AKPWCHVLKN RRLTWEYCDV PSCSTCGLRQ YSQPQFRIKG GLFADIASHP WQAAIFAKHR RSPGERFLCG GILISSCWIL SAAHCFQERF PPHHLTVILG RTYRVVPGEE EQKFEVEKYI VHKEFDDDTY DNDIALLQLK SDSSRCAQES SVVRTVCLPP ADLQLPDWTE CELSGYGKHE ALSPFYSERL KEAHVRLYPS SRCTSQHLLN RTVTDNMLCA GDTRSGGPQA NLHDACQGDS GGPLVCLNDG RMTLVGIISW GLGCGQKDVP GVYTKVTNYL DWIRDNMRP<H HHHHH>

#### **General References**

Chevilley A., et al, (2015) Front Cell Neurosci. 9:415. Lansley SM., et al, (2015) Am. J. Respir. Cell Mol. Biol. 53:105-112.

## DATA

#### SDS-PAGE



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

