

Recombinant human t-Plasminogen Activator/PLAT protein

Catalog Number: ATGP3614

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

36-310aa

UniProt No.

P00750

NCBI Accession No.

NP_000921

Alternative Names

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

PRODUCT SPECIFICATION

Molecular Weight

32 kDa (284aa)

Concentration

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

Formulation

Liquid in. 50mM MES buffer (pH 5.5) containing 10% glycerol, 100mM NaCl, 5mM CaCl₂.

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, also known as tissue-type plasminogen activator isoform 1, is a protein involved in the breakdown of blood clots. This protein is secreted as a single chain polypeptide precursor which is cleaved in turn by plasmin. Also, active PLAT converts plasminogen to plasmin, a fibrinolytic protease, by hydrolyzing an Arg-Val peptide bond in plasminogen. Recombinant human PLAT protein, fused to His-tag at C-terminus, was expressed in insect cell and

Recombinant human t-Plasminogen Activator/PLAT protein

Catalog Number: ATGP3614

purified by using conventional chromatography techniques.

Amino acid Sequence

<ADP>SYQVICR DEKTQMIYQQ HQSWLRPVLR SNRVEYCWCN SGRAQCHSVP VKSCSEPRCF NGGTCQQALY
FSDFVCQCPE GFAGKCCEID TRATCYEDQG ISYRGTWSTA ESGAECTNWN SSALAQKPYS GRRPDAILRG LGNHNYCRNP
DRDSKPWCYV FKAGKYSSEF CSTPACSEGN SDCYFGNGSA YRGTHSLTES GASCLPWNSM ILIGKVYTAQ NPSAQALGLG
KHNYCRNPDG DAKPWCHVLK NRRLTWEYCD VPSCSTCGLR QYSQPQFR<HH HHHH>

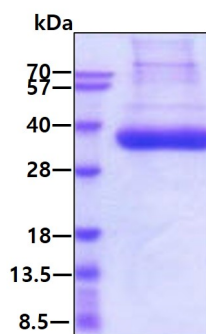
General References

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



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