

Tissue Plasminogen Activator Active Protein | tPA active protein

Recombinant Human Tissue Plasminogen Activator

CATALOG #
AAA10814

PRODUCT SYNONYMS

Tissue Plasminogen Activator; Recombinant Human Tissue Plasminogen Activator; Tissue-type plasminogen activator; EC 3.4.21.68; tPA; t-PA; t-plasminogen activator; TPA; T-PA; DKFZp686I03148.; tPA active protein

PRODUCT SPECIFICATIONS

Purity/Purification	Greater than 98.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Form/Format	Each mg of t-PA contains 1.7 gr L-arginine, 0.5 gr phosphoric acid and 4 mg tween 80.
Sequence Length	562
Source	Chinese Hamster Ovary Cells (CHO)
Enzymatic Activity	580,000 IU/mg.
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Solubility	It is recommended to reconstitute the lyophilized t-PA in sterile 18M ² -cm H ₂ O not less than 100 ug/ml, which can then be further diluted to other aqueous solutions.
Preparation and Storage	Lyophilized t-PA although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution tPA should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for tPA active protein	Tissue Plasminogen Activator Human Recombinant produced in CHO cells is a single, glycosylated polypeptide chain containing 527 amino acids and having a molecular mass of 59008.71 Dalton. tPA is a serine protease enzyme that converts plasminogen to plasmin. The tPA is purified by proprietary chromatographic techniques.
Product Categories/Family for tPA active protein	Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505861
NCBI GeneID	5327
NCBI Accession #	NP_000921.1
NCBI GenBank Nucleotide #	NM_000930.3
UniProt Accession #	P00750 ; Q15103 ; Q503B0 ; Q6PJA5 ; Q7Z7N2 ; Q86YK8 ; Q9BU99 ; Q9BZW1 ; A8K022 ; B2R8E8
NCBI Official Full Name	tissue-type plasminogen activator isoform 1 preproprotein
NCBI Official Synonym Full Names	plasminogen activator, tissue
NCBI Official Symbol	PLAT

NCBI Official Synonym Symbols	TPA; T-PA
NCBI Protein Information	tissue-type plasminogen activator; alteplase; plasminogen activator, tissue type; reteplase; t-plasminogen activator; tissue plasminogen activator (t-PA)
UniProt Protein Name	Tissue-type plasminogen activator
UniProt Gene Name	PLAT
UniProt Synonym Gene Names	t-PA; t-plasminogen activator; tPA
UniProt Entry Name	TPA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/tpa-active-protein/tissue-plasminogen-activator/10814>