

T-PA Protein, Mouse (HEK293, Fc)

Cat. No.:	HY-P73583
Synonyms:	Tissue-type plasminogen activator; t-PA; Plat
Species:	Mouse
Source:	HEK293
Accession:	P11214 (I309-Q559)
Gene ID:	18791
Molecular Weight:	55-60 kDa

PROPERTIES

AA Sequence	<pre> I K G G L Y T D I T S H P W Q A A I F V K N K R S P G E R F L C G G V L I S S C W V L S A A H C F L E R F P P N H L K V V L G R T Y R V V P G E E E Q T F E I E K Y I V H E E F D D D T Y D N D I A L L Q L R S Q S K Q C A Q E S S S V G T A C L P D P N L Q L P D W T E C E L S G Y G K H E A S S P F F S D R L K E A H V R L Y P S S R C T S Q H L F N K T V T N N M L C A G D T R S G G N Q D L H D A C Q G D S G G P L V C M I N K Q M T L T G I I S W G L G C G Q K D V P G V Y T K V T N Y L D W I H D N M K Q </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in PBS, pH 7.4. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	The T-PA protein functions by converting the inactive zymogen plasminogen into active plasmin through the hydrolysis of a single Arg-Val bond. This conversion is crucial for regulating plasmin-mediated proteolysis, which is involved in tissue remodeling, degradation, cell migration, and various physiological and pathological processes. Additionally, during oocyte activation, T-PA plays a role in the cortical granule reaction within the zona reaction, contributing to the prevention of polyspermy.
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Caution: Product has not been fully validated for medical applications. For research use only.

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