

Human 1-chain tPA

Product No. ADG171L

Description

Tissue Plasminogen Activator (tPA) is a protease of the S1 family (trypsin family) and is found in a wide variety of mammalian tissues, especially endothelial cells. tPA is secreted as a single chain precursor, which is cleaved to a two-chain form by plasmin. Both forms are catalytically active and have similar enzymatic properties in the presence of fibrin.

Preparation

The single-chain tPA is the secretion product of a Chinese Hamster Ovary cell line that had been transfected with the cDNA for human tPA obtained from a human melanoma cell line.

Molecular Weight

About 70 kDa (as determined on SDS-PAGE).

Purity

98% single-chain tPA (70 kD), < 2% two-chain tPA via SDS-PAGE analysis under reducing conditions.

Specific Activity

The specific activity is approximately 580,000 IU/mg.

Presentation

10 mg of sterile filtered single-chain recombinant tPA lyophilized from a 1 mg/mL solution in 34 mg/mL (3.4%) L-arginine, 10 mg/mL (1%) phosphoric acid.

Reconstitution

We recommend reconstituting the vial to the original volume with filtered deionized water.

Storage

Store lyophilized product at 2-8°C. Once reconstituted, the product is stable for 24 h at 2-8 °C. For long term storage, aliquot and store at or below -70°C. Avoid repeated freeze-thaw cycles.

Distributed by:

LOXO GMBH

IMMUNOLOGIE • MOLEKULARBIOLOGIE
BIOCHEMIE • PRODUKTE UND SYSTEME

Gerhart-Hauptmann-Str. 48
69221 Dossenheim

Tel +49 6221 868023

Fax +49 6221 8680255

www.loxo.de - info@loxox.de

Hinweis/Note:

Der Packungsbeileger dient nur als erste Information. Der relevante Packungsbeileger liegt der Ware bei.
The datasheet is for information purposes only. The current datasheet will be enclosed with product shipment.

For research use only!

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