

Product: Tissue Plasminogen Activator (tPA), human, recombinant
Catalog #: 12-4328
Amount: 20 µg

DESCRIPTION: Recombinant human tissue Plasminogen Activator (rHutPA)
rHutPA is a non-glycosylated polypeptide chain containing 527 amino acids and having a molecular weight of 59,008.71 Dalton
rHutPA is a serine protease enzyme that converts plasminogen to plasmin.

SOURCE: *Chinese Hamster Ovary Cells (CHO)*

PURITY: > 98%, as determined by:
(a) Analysis by RP-HPLC and anion-exchange FPLC
(b) Analysis by reducing and non-reducing SDS-PAGE Silver Stained gel

ENDOTOXIN: Less than 0.1 ng/µg (IEU/µg) of rHutPA

DIMERS & AGGREGATES: Less than 1% as determined by silver stained SDS-PAGE gel analysis

PROTEIN CONTENT: Protein quantitation was carried out by two independent methods:
- UV spectroscopy at 280 nm
- Analysis by RP-HPLC, using a standard solution of rHutPA as a Reference Standard

FORM: Purified, in 1.7gr L-arginine, 0.5gr phosphoric acid and 4mg tween 80, containing 0.1% BSA

STORAGE: -20°C (aliquot), avoid freezing and thawing cycles

BIOLOGICAL ACTIVITY: rHutPA is fully biologically active when compared to World Health Organization (WHO) reference standard which is 580,000IU/mg.

REFERENCE:Bachmann, F. and Kruithof, E., *Semin. Thromb. Hemost.* 10, 6 (1984)Klausner, A., *Biotechnology* 4, 706 (1986)Verheijen, J.H., et al., Bergmeyer, J., and Grassi, M., ed., *Methods of Enzymatic Analysis Meth. Enzym. Anal.* 3rd ed., (1984), 5, 425

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