

Product Data Sheet

Product Name: T-PA Protein, Mouse (HEK293, His)
Cat. No.: GC26822
Batch No.: 1

Product Data

Purity >98%

Physical Appearance solid

Synonyms T-PA []; Tissue-type plasminogen activator; t-PA; Plat

Amino Acid Sequence SYRATCRDEPTQTTYQQHQSWLRPMLRSSRVEYCRCSNGLVQCHSVPVRSCEPRCFNGGTCQQALYFSDVCQCPDGFVVGKRCIDTRATCFEEQG

Formulation Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Introduction

The T-PA protein converts the inactive plasminogen to active plasmin by hydrolyzing a single Arg-Val bond. This conversion regulates plasmin-mediated proteolysis and is involved in tissue remodeling, degradation, and cell migration. T-PA also contributes to the prevention of polyspermy during oocyte activation by participating in the cortical granule reaction. T-PA Protein, Mouse (HEK293, His) is the recombinant mouse-derived T-PA protein, expressed by HEK293, with C-His labeled tag.

Biological Activity

Measured by its ability to cleave a peptide substrate, N-carbobenzyloxy-Gly-Gly-Arg-7-amido-4-methylcoumarin (Z-GGR-AMC). The specific activity is > 500 pmol/min/µg.

Stability

Stored at -20°C for 2 years from date of receipt. 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.

Background

T-PA [] Arg-Val [] T-PA [],
Mouse (HEK293, His) [] T-PA [] HEK293 [] C-His []

T-PA [] Arg-Val [] T-PA []

Caution: Product has not been fully validated for medical applications. For research use only.
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