

# Human tPA (Fc Tag) recombinant protein



Catalog Number: 504208

## General Information

### Gene Name Synonym

Tissue-type plasminogen activator chain A; Tissue-type plasminogen activator chain B

### Protein Construction

A DNA sequence encoding the ? chain (Tyr 37-Arg 310) of mature human tPA (NP\_000921.1) was expressed with the fused Fc region of human IgG1 at the N-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Purity

> 95 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}\text{C}$

### Predicted N terminal

Glu 20

### Molecular Mass

The recombinant human Fc/tPA? is a disulfide-

linked homodimeric protein. The reduced monomer consists of 512 amino acids and has a predicted molecular mass of 57.5 KDa. As a result of glycosylation, the apparent molecular mass of rh Fc/tPA? monomer is approximately 59 KDa in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile 50mM NaAc, 150mM NaCl, 5mM CaCl<sub>2</sub>, 10% glycerol, PH 5.5  
1. 5 % trehalose and mannitol are added as protectants before lyophilization.  
2. Please contact us for any concerns or special requirements.

## Usage Guide

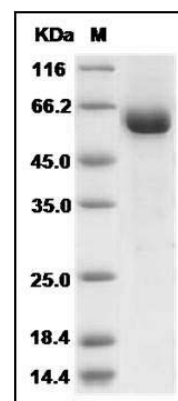
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ . It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Human tPA / PLAT Protein (Fc Tag) SDS-PAGE