

# Human tPA (Fc Tag) recombinant protein



Catalog Number: 501402

## 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 (Ile 311-Pro 562) 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 489 amino acids and has a predicted molecular mass of 54.8 kDa. As a result of glycosylation, the apparent molecular mass of rh Fc/tPA? monomer is approximately 60-65 kDa in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile 100mM Glycine, 10mM NaCl, 50mM Tris, pH 7.5

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

## Usage Guide

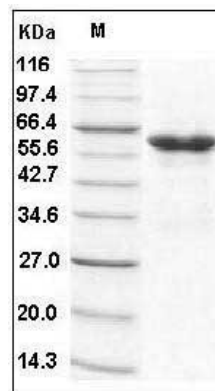
### Storage

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