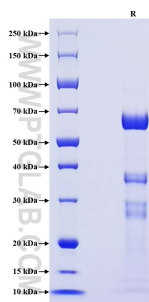


Recombinant Mouse tPA protein (rFc Tag)

Catalog Number: Eg3025

Basic Information	Species: Mouse	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
Technical Specifications	<p>Purity: >90 %, SDS-PAGE</p> <p>Endotoxin Level: <0.1 EU/ µg protein, LAL method</p> <p>Source: HEK293-derived Mouse tPA protein Leu18-Gln559 (Accession# P11214) with a rabbit IgG Fc tag at the C-terminus.</p> <p>GeneID: 18791</p> <p>Accession: P11214</p> <p>Predicted Molecular Mass: 87.2 kDa</p> <p>SDS-PAGE: 27-30 kDa, 35-37 kDa and 58-68 kDa, reducing (R) conditions</p> <p>Formulation: Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.</p>		
Biological Activity	Not tested		
Storage and Shipping	<p>Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none">• Until expiry date, -20°C to -80°C as lyophilized proteins.• 3 months, -20°C to -80°C under sterile conditions after reconstitution. <p>Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.</p>		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	<p>tPA (Tissue-type plasminogen activator), also known as Plat, is a serine proteinase found in the intravascular space and the CNS. In the brain tPA is found in the endothelial cell-basement membrane-astrocyte interface, where it modulates cerebrovascular tone and the permeability of the blood-brain barrier. tPA is a key component in the dissolution of blood clots, primarily by catalyzing the conversion of plasminogen to plasmin, the primary enzyme involved in dissolving blood clots.</p>		
References	<ol style="list-style-type: none">1. Echeverry R, et al. (2010). J Clin Invest. Jun;120(6):2194-205.2. Bugge, T. H., et al. (1996). Proc Natl Acad Sci U S A. Jun 11;93(12):5899-904.3. Sashindranath M, et al. (2012). Brain. Nov;135(Pt 11):3251-64.4. Collen D, et al. (2004). J Thromb Haemost. Apr;2(4):541-6.		
Synonyms	EC:3.4.21.68, Plat, Tissue-type plasminogen activator, Tissue-type plasminogen activator chain A, Tissue-type plasminogen activator chain B		

Selected Validation Data



Purity of Recombinant Mouse tPA was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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