

Recombinant Mouse Plat Protein, Myc/DDK-tagged

Cat. No. Plat-4907M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length plasminogen activator, tissue (Plat), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	<p>This gene encodes a key enzyme of the fibrinolytic pathway. The encoded protein undergoes proteolytic processing by plasmin to generate a heterodimeric serine protease that cleaves the proenzyme plasminogen to produce plasmin, a protease that is required to break down fibrin clots. Additionally, the encoded protein is involved in other biological processes such as synaptic plasticity, cell migration and tissue remodeling. Mice lacking the encoded protein display a reduction in long-term potentiation in hippocampus and conversely, transgenic mice overexpressing the encoded protein have increased and prolonged long-term potentiation.</p>
Molecular Mass	63.1 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Plat plasminogen activator, tissue \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Plat](#)

Synonyms PLAT; plasminogen activator, tissue; tissue-type plasminogen activator; t-plasminogen activator; tPA; AU020998; AW212668; D8ErtD2e; MGC18508

Gene ID [18791](#)

mRNA Refseq [NM_008872](#)

Protein Refseq [NP_032898](#)

UniProt ID [P11214](#)

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