

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

Gene Name	Plat plasminogen activator, tissue [Mus musculus (house mouse)]
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Official Symbol	Plat
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Synonyms	PLAT; plasminogen activator, tissue; tissue-type plasminogen activator; t-plasminogen activator; tPA; AU020998; AW212668; D8Ert2e; MGC18508
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Gene ID	18791
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mRNA Refseq	NM_008872
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Protein Refseq	NP_032898
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UniProt ID	P11214
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