

Active Recombinant Human PLAT protein, His-tagged

Cat. No. PLAT-1109H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PLAT(Met1-Pro562) fused with a C-terminal 6-His tag Single-chain proform was expressed, purified, activated with thermolysin to a 2-chain protease and further purified, was expressed in CHO.
Species	Human
Source	CHO
ProteinLength	Met1-Pro562
Predicted N Terminal	Ser36 (Chain A) and Ile311 (Chain B)
Form	Supplied as a 0.2 µm filtered solution in MES, NaCl and CaCl ₂ .
Bio-activity	>190 pmol/min/µg,
Molecular Mass	Predicted Molecular Mass: 31 (Chain A), 29 (Chain B) kDa;SDS-PAGE: 30-40 kDa, reducing conditions
Endotoxin	<1.0 EU per 1 µg of the protein by the LAL method.
Purity	>85%, by SDS-PAGE under reducing conditions and visualized by Colloidal Coomassie® Blue stain at 5 µg per lane.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.6 months from

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date of receipt, -20 to -70 centigrade as supplied.3 months, -20 to -70 centigrade under sterile conditions after opening.

Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

GENE INFORMATION

Gene Name [PLAT plasminogen activator, tissue \[Homo sapiens \]](#)

Official Symbol [PLAT](#)

Synonyms PLAT; plasminogen activator, tissue; tissue-type plasminogen activator; alteplase; reteplase; t-plasminogen activator; plasminogen activator, tissue type; tissue plasminogen activator (t-PA); TPA; T-PA; DKFZp686I03148;

Gene ID [5327](#)

mRNA Refseq [NM_000930](#)

Protein Refseq [NP_000921](#)

MIM [173370](#)

UniProt ID [P00750](#)

Chromosome Location 8p11.21

Pathway Blood Clotting Cascade, organism-specific biosystem; Complement and Coagulation Cascades, organism-specific biosystem; Complement and coagulation cascades,

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organism-specific biosystem; Complement and coagulation cascades, conserved biosystem; Dissolution of Fibrin Clot, organism-specific biosystem; Endochondral Ossification, organism-specific biosystem; Hemostasis, organism-specific biosystem;

Function

peptidase activity; protein binding; serine-type endopeptidase activity; serine-type endopeptidase activity;

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