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 CaCl2.
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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