

Recombinant Human Tissue-type plasminogen activator(PLAT),partial



Catalog No: #AP73688

Orders: order@abscitech.com

Package Size: #AP73688-1 10ug #AP73688-2 50ug #AP73688-3 100ug #AP73688-4 200ug #AP73688-5 500ug #AP73688-6 1mg

Support: tech@abscitech.com

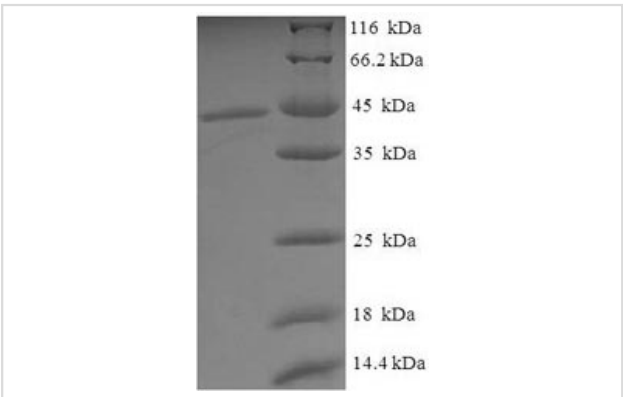
Description

Product Name	Recombinant Human Tissue-type plasminogen activator(PLAT),partial
Brief Description	Recombinant Protein
Host Species	E.coli
Target Name	PLAT
Other Names	INN: AlteplaseINN: Reteplase
Accession No.	Uniprot ID: P00750
Target Species	Hu
SDS-PAGE MW	31.56kDa
Target Length	Partial,311-556aa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	IKGGLFADIASHPWQAAIFAKHRRSPGERFLCGGILISSCWILSAAHCFQERFPPHHLTIVILGRTYRVVPGEEEQ KFEVEKYIVHKEFDDDTYDNDIALQLKSDSSRCAQESSVVRTVCLPPADLQLPDWTECELSGYGKHEALSPF YSERLKEAHVRLYPSSRCTSQHLLNRTVTDNMLCAGDTRSGGPQANLHDACQGDSGGPLVCLNDGRMTLVG IISWGLGCGQKDVPGVYTKVTNYLDWI
Formulation	Tris-based buffer,50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.

Application Details

Greater than 90% as determined by SDS-PAGE.

Images



Background

Converts the abundant, but inactive, zymogen plasminogen to plasmin by hydrolyzing a single Arg-Val bond in plasminogen. By controlling plasmin-mediated proteolysis, it plays an important role in tissue remodeling and degradation, in cell migration and many other physiopathological events. Plays a direct role in facilitating neuronal migration.

References

Cloning and expression of human tissue-type plasminogen activator cDNA in *E. coli*. Pennica D., Holmes W.E., Kohr W.J., Harkins R.N., Vehar G.A., Ward C.A., Bennett W.F., Yelverton E., Seeburg P.H., Heyneker H.L., Goeddel D.V., Collen D. *Nature* 301:214-221(1983)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.