

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

Catalog No: #AP70641

Package Size: #AP70641-1 20ug #AP70641-2 100ug #AP70641-3 1mg

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	Recombinant Human Tissue-type plasminogen activator(PLAT),partial
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:36-556aaSequence Info:Partial
Other Names	INN: AlteplaseINN: Reteplase
Accession No.	P00750
Calculated MW	74.3 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	SYQVICRDEKTQMIYQQHQSWLRPVLRSNRVEYCWCNSGRAQCHSVPVKSCSEPRCFNGGTCCQALYFSD FVCQCPEGFAGKCEIDTRATCYEDQGSIYRGTWSTAESGAECTNWNSSALAQKPYSGRRPDAIRLGLGNH NYCRNPDRDSKPWCYVFKAGKYSSEFCSTPACSEGNSDCYFGNGSAYRGTHSLTESGASCLPWNSMILIGK VYTAQNPSAQALGLGKHNYCRNPDGDAKPWCHVLKNRRLTWEYCDVPSCSTCGLRQYSQPQFRIKGGLFAD IASHPWQAAIFAKHRRSPGERFLCGGILISSCWILSAAHCFQERFPPHHLTIVLGRTYRVVPGEQQKFEVEKYI VHKEFDDDDTYDNDIALQLKSDSSRCAQESSVVRTVCLPPADLQLPDWTECELSGYGKHEALSPFYSERLKEA HVRLYPSSRCTSQHLLNRTVTDNMLCAGDTRSGGPQANLHDACQGDSSGGLVCLNDGRMTLVGIISWGLGC GQKDVPGVYTKVTNYLDWI
Formulation	Tris-based buffer50% 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.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

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)Research Topic:Cancer

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