9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

32-6929: TPA (311-562) Human

Alternative Name : Tissue-type plasminogen activator, EC 3.4.21.68, tPA, t-PA, t-plasminogen activator, TPA, T-PA, DKFZp686I03148, PLAT and tPA.

Description

Source: Sf9, Baculovirus cells.
Sterile Filtered colorless solution.
Tissue plasminogen activator (abbreviated PLAT or tPA) is a secreted serine proteasewhich converts the proenzymeplasminogento plasmin, a fibrinolyticenzyme. Plasminogen is synthesized as a single chain which is cleaved by PLAT into the two chain disulfide linked plasmin.This enzyme plays a role in cell migrationand tissue remodeling. Increased enzymatic activity causes hyperfibrinolysis, which manifests as excessive bleeding; decreased activity leads to hypofibrinolysiswhich can result in thrombosisor embolism.
TPA Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 261 amino acids (311-562 a.a.) and having a molecular mass of 29.2kDa (Migrates at 28-40kDa on SDS-PAGE under reducing conditions).TPA is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount :	2 µg / 10 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	TPA protein solution (0.5mg/ml) contains 50mM MES (pH 5.0), 5mM CaCl2, 1mM DTT, 0.5M NaCl and 30% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	ADPIKGGLFA DIASHPWQAA IFAKHRRSPG ERFLCGGILI SSCWILSAAH CFQERFPPHH LTVILGRTYR VVPGEEEQKF EVEKYIVHKE FDDDTYDNDI ALLQLKSDSS RCAQESSVVR TVCLPPADLQ LPDWTECELS GYGKHEALSP FYSERLKEAH VRLYPSSRCT SQHLLNRTVT DNMLCAGDTR SGGPQANLHD ACQGDSGGPL VCLNDGRMTL VGIISWGLGC GQKDVPGVYT KVTNYLDWIR DNMRPHHHHH H.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.