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32-6928: tPA Human, Sf9

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 545 amino acids (24-562 a.a) and having a molecular mass of 61.3kDa (Molecular size on SDS-PAGE will appear at approximately 50-70kDa).tPA is fused to a 6 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques.

Product Info

Amount :	1 µg / 5 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	tPA protein solution (0.25mg/ml) containing 50mM MES buffer(pH 5.5), 40% glycerol, 5mM CaCl2, 1mM DTT and 0.5M NaCl.
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 :	QEIHARFRRG ARSYQVICRD EKTQMIYQQH QSWLRPVLRS NRVEYCWCNS GRAQCHSVPV KSCSEPRCFN GGTCQQALYF SDFVCQCPEG FAGKCCEIDT RATCYEDQGI SYRGTWSTAE SGAECTNWNS SALAQKPYSG RRPDAIRLGL GNHNYCRNPD RDSKPWCYVF KAGKYSSEFC STPACSEGNS DCYFGNGSAY RGTHSLTESG ASCLPWNSMI LIGKVYTAQN PSAQALGLGK HNYCRNPDGD AKPWCHVLKN RRLTWEYCDV PSCSTCGLRQ YSQPQFRIKG GLFADIASHP WQAAIFAKHR RSPGERFLCG GILISSCWIL SAAHCFQERF PPHHLTVILG RTYRVVPGEE EQKFEVEKYI VHKEFDDDTY DNDIALLQLK SDSSRCAQES SVVRTVCLPP ADLQLPDWTE CELSGYGKHE ALSPFYSERL KEAHVRLYPS SRCTSQHLLN RTVTDNMLCA GDTRSGGPQA NLHDACQGDS GGPLVCLNDG RMTLVGIISW GLGCGQKDVP GVYTKVTNYL DWIRDNMRPHHHHHH.