

Recombinant Human Plasminogen Activator Inhibitor-2

Information

Gene ID	5055
Accession #	P05120
Alternate Names	
Source	Escherichia coli.
M.Wt	Approximately 46.6 kDa, a single non-glycosylated polypeptide chain containing 415 amino acids.
AA Sequence	MEDLCVANTL FALNLFKHLA KASPTQNLFL SPWSISSTMA MVYMGSRGST EDQMAKVLQF NEVGANAVTP MTPENFTSCG FMQQIQKGSY PDAILQAQAA DKIHSSFRSL SSAINASTGN YLLESVNKLF GEKSASFREE YIRLCQKYYS SEPQAVDFLE CAEEARKKIN SWVKTQTKGK IPNLLPEGSV DGDTRMVLVN AVYFKGKWKT PFEKKLNGLY PFRVNSAQRTPVQMMYLREK LNIGYIEDLK AQILELPYAG DVSMFLLLPD EIADVSTGLE LLESEITYDK LNKWTSKDKM AEDEVEVYIP QFKLEEHYEL RSILRSMGME DAFNKGRANF SGMSEKNDLF LSEVFHQAMV DVNEEGTEAA AGTGGVMTGR TGHGGPQFVA DHPFLFLIMH KITNCILFFG RFSSP
Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles - 12 months from date of receipt, -20 to -70 °C as supplied - 1 month, 2 to 8 °C under sterile conditions after reconstitution - 3 months, -20 to -70 °C under sterile conditions after reconstitution
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM Tris-HCl, pH 8.0, 150 mM NaCl, 1 mM Cysteine, with 5 % Trehalose.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/ml. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.
Biological Activity	Fully biologically active when compared to standard. The biologically active was determined by its inhibitory effect against single chain tPA induced cleavage of a chromogenic substrate in Imidazole Buffer at 37 °C. Half maximal inhibition against 1.0 µg/ml of single chain tPA was at a concentration of 1.0 µg/ml.
Shipping Condition	Gel pack.
Handling	Centrifuge the vial prior to opening.
Usage	For Research Use Only! Not to be used in humans.

Components and Storage

Components	10µg	100µg	500µg
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500µg

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- 3 months, -20 to -70 °C under sterile conditions after reconstitution

Quality Control

Purity

> 95 % by SDS-PAGE and HPLC analyses.

Endotoxin

Less than 0.1 EU/µg of rHuPAI-2 as determined by LAL method.

Description

Reference

APExBIO Technology

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