

Recombinant Human Plasminogen Activator Inhibitor-2

#R00497

Size: 10 µg/100 µg/500 µg

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.



Warning: This product is intended for scientific research only. It is not to be used for medical or diagnostic procedures in humans or animals, nor as a food, cosmetic, or household product.

Background

AA Sequence

MEDLCVANTL FALNLFKHLAKASPTQNLFLSPWSISST
MAMVYMGSRGSTEDQMAKVLQFNEVGANAVTPMTPE
ENFTSCGFMQQIQKGSYPDAILQAQAADKIHSSFRSL
SSAINASTGNYLLESVNKLFGEKSASFREEYIRLCQK
YYSSEPQAVDFLECAEEARKKINSWVKTQTKGKIPNL
LPEGSVDGDTRMVLVNAVYFKGKWKTPEKKLNGLY
PFRVNSAQRTVPVQMMYLREKLNIGYIEDLKAQILELPY
AGDVSMFLLLPDEIADVSTGLELLESEITYDKLNKWTS
KDKMAEDEVEVYIPQFKLEEHYELRSILRSMGMEDAF
NKGRANFSGMSERNDLFLSEVFHQAMVDVNEEGTE
AAAGTGGVMTGRTGHGGPQFVADHPFLFLIMHKITN
CILFFGRFSSP

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.

Product Specification

Accession	P05120
GeneID	5055
Species	Human
Source	Escherichia coli.
Molecular Weight	Approximately 46.6 kDa, a single non-glycosylated polypeptide chain containing 415 amino acids.
Purity	> 95 % by SDS-PAGE and HPLC analyses.
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.
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
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.
Endotoxin	Less than 0.1 EU/µg of rHuPAI-2 as determined by LAL method.
