

PAI-2 Protein, Human, Recombinant

General Information

Synonyms:	PAI-2;PLANH2;Serpine B2;Plasminogen activator inhibitor 2;PAI2;SERPINB2;Urokinase inhibitor;Placental plasminogen activator inhibitor;Monocyte Arg-serpin
Protein Construction:	1-415 aa
Species:	Human
Expression Host:	E. coli
Accession:	P05120
Molecular Weight:	46.6 kDa (Predicted)
AA Sequence:	MEDLCVANTLFLALNLFKHLAKASPTQNLFLSPWSISSTMAMVYMGSRGSTEDQMAKVLQFNEVGANAVTP MTPENFTSCGFMQQIQKGSYPDAILQAQAADKIHSSFRSLSSAINASTGNLLESVKNLFGKESASFREYIRL CQKYSSSEPQAVDFLECAEEARKKINSWVKQTQKGIKIPNLLPEGSVDGDTRMVLVNAVYFKGKWKTPFEKLL NGLYPFRVNSAQRTPVQMMYLREKLNIGYIEDLKAQILELPYAGDVSMFLLLPDEIADVSTGLELLESEITYDKL NKWTSKDKMAEDEVEVYIPQFKLEEHYELRSILRSMGMEDAFNKGRANFSGMSERNDLFLSEVFHQAMVDV NEEGTEAAAGTGGVMTGRTGHGGPQFVADHPFLFLIMHKITNCILFFGRFSSP

QC Testing

Biological Activity:	Fully biologically active when compared to standard. The biological activity 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.
Purity:	>95% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/µg of the protein as determined by the LAL method.
Formulation:	Lyophilized from a 0.2 µm filtered 20 mM Tris-HCl, pH 8.0, 150 mM NaCl, 1 mM Cysteine, with 5 % Trehalose

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 µg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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