

Serpin Peptidase Inhibitor, Clade B Member 2 Human Recombinant

Item Number	rAP-4758
Synonyms	Serpin Peptidase Inhibitor Clade B (Ovalbumin) Member 2, Serine (Or Cysteine) Proteinase Inhibitor Clade B (Ovalbumin) Member 2, Placental Plasminogen Activator Inhibitor, Plasminogen Activator Inhibitor Type II (Arginine-Serpin), Urokinase Inhibitor, PAI
Description	SERPINB2 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 415 amino acids and having a molecular mass of 46.6kDa. The SERPINB2 is purified by proprietary chromatographic techniques.
Uniprot Accession Number	P05120
Amino Acid Sequence	MEDLCVANTL FALNLFKHLA KASPTQNLFL SPWSISSTMA MVYMGSRGST EDQMAKVLQF NEVGANAVTP MTPENFTSCG FMQQIQKGSY PDAILQAQAA DkihSSFRSL SSAINASTGN YLLESVNLKF GEKSASFREY YIRLCQKYYS SEPQAVDFLE CAEEARKKIN SWVKTQTKGK IPNLLPEGSV DGD-TRMVLVN AVYFKGKWK T PFEKLNGLY PFRVNSAQR T PVQMMYLREK LNIGYIEDLK AQILELPYAG DVSMFLLLPD EIADVSTGLE LLESEITYDK LNKWTSKDKM AEDEVEVYIP QFKLEEHYEL RSILRSMGME DAFNKGRANF SGM SERNDLF LSEVFHQAMV DVNEEGTEAA AGTGGVMTGR TGHGGPQFVA
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized SERPINB2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution SERPINB2 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Formulation and Purity	Lyophilized from a 0.2µm filtered concentrated solution in 20mM Tris-HCl, pH8.0, 150mM NaCl, 1mM Cysteine, with 5% Trehalose. Greater than 97.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized SERPINB2 in sterile 18M ² -cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	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 1.0µg
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**