

Serpin Peptidase Inhibitor, Clade B Member 5 Human Recombinant

Item Number	rAP-4759
Synonyms	PI5, maspin, SERPINB5, serpin peptidase inhibitor clade B (ovalbumin) member 5, Serpin B5, Protease inhibitor 5.
Description	SERPINB5 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 375 amino acids and having a molecular mass of 42.2 KDa. The SERPINB5 Human is purified by proprietary chromatographic techniques.
Uniprot Accession Number	P36952
Amino Acid Sequence	MDALQLANSA FAVDLFKQLC EKEPLGNVLF SPICLSTSLA LAQVGAKGDT ANEIGQVLHF ENVKDIPFGF QTVTSDVNKL SSFYSLKLIK RLYVDKSLNL STEFISSTKR PYAKELETVD FKDKLEETKG QINNSIKDLT DGHFENILAD NSVNDQTKIL VVNAAYFVGK WMKKFPESET KECPFRLNKT DTKPVQMMNM EAT-FCMGNID SINCKIIELP FQNKHLSMFI LLPKDVEDES TGLEKIEKQL NSESLSQWTN PSTMANAKVK LSIPKFKVEK MIDPKACLEN LGLKHIFSED TSDFGMSET KGVALSNVIH KVCLEITEDG GDSIEVPGAR ILQHKDELNA DHPFIYIIRH NKTRNIIFFG KFCSP.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized SERPINB5 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution SERPINB5 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 PBS, pH7.0. Greater than 97.0% as determined by (a) Analysis by HPLC. (b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized SERPINB5 in sterile 18M-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	
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**