Human SERPINB2 Recombinant Protein

RPPB4634

Product Information

Product SKU:
RPPB4634

Accession:
P05120

Host:
Escherichia Coli.

Protein Information

Protein 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.

Appearance:
Sterile Filtered White lyophilized (freeze-dried) powder.

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), PAI2, PLANH2, Monocyte Arg-Serpin, Serpin B2, HsT1201, PAI.

Formulation:
Lyophilized from a 0.2μm filtered concentrated solution in 20mM Tris-HCl, pH8.0, 150mM NaCl, 1mM Cysteine, with 5% Trehalose.

Purity:
Greater than 97.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Solubility:
It is recommended to reconstitute the lyophilized SERPINB2 in sterile 18MΩ-cm H2O not less than 100μg/ml, which can then be further diluted to other aqueous solutions.

Stability:
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.

Amino Acid Sequence:
MEDLCVANTL FALNLFKHLA KASPTQNLFL SPWSISSTMA MVYMGSRGST EDQMAKVLQF NEVGANAVTP MTPENFTSCG FMQQIQKGSY PDAILQAQAA DKIHSSFRSL SSAINASTGN YLLESVNKLF GEKSASFREE YIRLCQKYYS SEPQAVDFLE CAEEARKKIN SWVKTQTKGK IPNLLPEGSV DGDTRMVLVN AVYFKGKWKT PFEKKLNGLY PFRVNSAQRT PVQMMYLREK LNIGYIEDLK AQILELPYAG DVSMFLLLPD EIADVSTGLE LLESEITYDK LNKWTSKDKM AEDEVEVYIP QFKLEEHYEL RSILRSMGME DAFNKGRANF SGMSERNDLF LSEVFHQAMV DVNEEGTEAA AGTGGVMTGR TGHGGPQFVA DHPFLFLIMH KITNCILFFG RFSSP

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/ml.