

RPPB4630

Product Information Protein Information

Product SKU:

RPPB4630

Accession:

P05154

Host:

Escherichia Coli.

Protein description:

SERPINA5 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 408 amino acids (20-406 a.a) and having a molecular mass of 45.9kDa.SERPINA5 is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered colorless solution.

Synonyms:

Serpin Family A Member 5, Serine (Or Cysteine) Proteinase Inhibitor, Clade A (Alpha-1 Antiproteinase, Antitrypsin), Member 5, Serpin Peptidase Inhibitor, Clade A (Alpha-1 Antiproteinase, Antitrypsin), Member 5, Acrosomal Serine Protease Inhibitor 3 4 Protein C Inhibitor, PLANH3, PAI-3, PROCI, PAI3, PCI, Plasminogen Activator Inhibitor III, Plasminogen Activator Inhibitor-3, Plasminogen Activator Inhibitor 3, Plasma Serine Protease Inhibitor, Serpin A5, PCI-B.

Formulation:

SERPINA5 protein solution (0.5mg/ml) contains 150mM NaCl, 10% glycerol & 20 mM MES buffer (pH6.0).

Purity:

Greater than 90.0% as determined by SDS-PAGE.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks.Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.

Amino Acid Sequence:

MGSSHHHHHH SSSLVPRGSH MHRHHPREMK KRVEDLHVGA TVAPSSRRDF TFDLYRALAS AAPSQNIFFS
PVSISMSLAM LSLGAGSSTK MQILEGLGLN LQKSSEKELH RGFQQLLQEL NQPRDGFQLS LGNALFTDLV
VDLQDTEFVSA MKTLYLADTF PTNFRDSAGA MKQINDYVAK QTKGKIVDLL KNLDNSNAVVI MVNYIFFKAK
WETSFNHKGT QEQDFYVTSE TVVRVPMMSR EDQYHYLLDR NLSCRVVGVP YQGNATALFI LPSEGKMQQV
ENGLSEKTLR KWLKMFKKRQ LELYLPKFSI EGSYQLEKVL PSLGISNVFT SHADLSGISN HSNIQVSEMV
HKAVVEVDES GTRAAAATGT IFTFRSARLN SQRLVFNRPF LMFIVDNNIL FLGKVNRP.

Biological Activity:

Measured by its ability to inhibit Thrombin cleavage of substrate Boc-VPR-AMC. The IC50 for this effect is less or equal to 2 nM.