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SERPINF2

Gene ID:

Native Human Alpha-2-Antiplasmin

Catalog No. CRA158B Quantity: 1 mg

CRA158C 10 mg

Alternate Names: Serpin F2, Alpha-2-plasmin inhibitor, Alpha-2-PI, Alpha-2-AP

Description: Alpha-2-Antiplasmin (A2AP/SERPINF2) is a member of the serpin family of serine

protease inhibitors and is a major inhibitor of Plasmin. Consequently, A2AP has a major

role in regulating the Coagulation Cascade. Mutations in A2AP result in Alpha-2-Antiplasmin Deficiency, a rare coagulation disorder characterized by unrestrained fibrinolytic activity and severe hemorrhagic diathesis. Individuals with this condition may

receive therapeutic A2AP prior to surgery to prevent postoperative hemorrhaging.

UniProt ID: P08697

Source: Human Plasma

Molecular Weight: 70.0 kDa

Formulation: Lyophilized from 0.02 M Bis-Tris, 0.2 M NaCl, pH 6.4

Purity: >95% by SDS-PAGE

5345

Extinction Coefficient: $E^{0.1\%}_{280nm} = 0.73$

Biological Activity: >5 U/mg, defined as 1 unit will completely inhibit the activity of plasmin to hydrolyze one

micromole of Tosyl-Gly-Pro-Lys-p-nitroanilide in one minute at 25 C and pH 8.0

Specific Activity: 19.9 IU/mg

Reconstitution: Centrifuge vial prior to opening. Reconstitute with sterile distilled water to original

volume (0.559 mL).

Storage & Stability: Store in working aliquots at -80°C. Avoid repeated freeze-thaw cycles.

Certification: Purified from Human Plasma that was tested and found

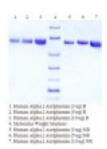
negative for HIV-1/2, HIV-1 antigen(s), HBsAg, STS, antiHCV, anti-HBcore and anti-

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HTLV I & II.



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