

Active Native Human SERPINF2 Protein

Cat. No. SERPINF2-5338H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native human SERPINF2 purified from Human Plasma is a 70.0 kDa protein.
Species	Human
Source	Human Plasma
Description	SERPINF2 is a member of the serpin family of serine protease inhibitors and is a major inhibitor of Plasmin. Consequently, SERPINF2 has a major role in regulating the Coagulation Cascade. Mutations in SERPINF2 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 SERPINF2 prior to surgery to prevent postoperative hemorrhaging.
Form	Lyophilized from 0.02 M Bis-Tris + 0.2 M NaCl, pH 6.4.
Molecular Weight	70.0 kDa
Concentration	1.0 mg/ml
Purity	> 95% by SDS-PAGE.
Specific Activity	19.9 IU/mg
Reconstitution	Centrifuge vial prior to opening. Reconstitute with sterile distilled water to

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originalvolume(0.559 mL).

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

Official Symbol SERPINF2

GENE INFORMATION

Gene Name SERPINF2 serpin peptidase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 2 [Homo sapiens]

Synonyms SERPINF2; serpin peptidase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 2; AAP; API; PLI; A2AP; ALPHA-2-PI; alpha-2-antiplasmin; serpinF2; alpha-2-AP; OTTHUMP00000115656; OTTHUMP00000197008; OTTHUMP00000197009; alpha-2-plasmin inhibitor; serine (or cysteine) proteinase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 2

Gene ID 5345

mRNA Refseq NM_000934

Protein Refseq NP_000925

MIM 613168

UniProt ID P08697

Chromosome Location 17p13

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Pathway	Blood Clotting Cascade; Complement and Coagulation Cascades; Dissolution of Fibrin Clot; Hemostasis; Platelet activation; Platelet degranulation; Response to elevated platelet cytosolic Ca ²⁺
Function	endopeptidase inhibitor activity; protease binding; protein binding; serine-type endopeptidase inhibitor activity
Identifiers	