

Plasmin/Antiplasmin Complex (PAP) Protein | PAP protein

Eukaryotic Plasmin/Antiplasmin Complex (PAP)

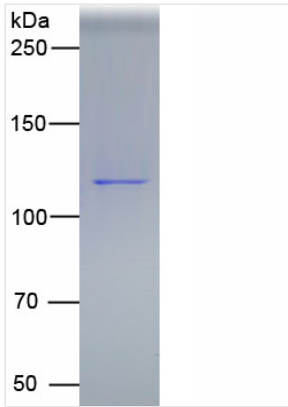
CATALOG # AAA21172	HOST 293F cell	REACTIVITY Homo sapiens (Human)	APPLICATIONS SDS-Page, Western Blot
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PRODUCT SYNONYMS

Plasmin/Antiplasmin Complex (PAP); Eukaryotic Plasmin/Antiplasmin Complex (PAP); Plasmin/Antiplasmin Complex; PAP protein

PRODUCT SPECIFICATIONS

Host	293F cell
Reactivity	Homo sapiens (Human)
Purity/Purification	> 95%
Form/Format	PBS, pH7.4, containing 5% Trehalose.
Concentration	Original Concentration: 150ug/mL (varies by lot)
Applicable Applications for PAP protein	Positive Control, Immunogen, SDS-PAGE, WB (Western Blot)
Application Notes	(May be suitable for use in other assays to be determined by the end user.)
Source	Eukaryotic expression
Residues	Asn40~Lys491+GGGS*3+Val98~Arg580
Tags	N-terminal His Tag
Subcellular Location	Secreted
Traits	Freeze-dried powder
Predicted isoelectric point	6.9
Phenomenon Explanation	The possible reasons that the actual band size differs from the predicted are as follows: 1. Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affects the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc.
Usage	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.



NQEQVSLTLKLNQKQGGQALKSPPOVCSRDPTPEQTHRLARMAFTADLFSLVAQTSTCPNILLSPLSVALALSHLAGQNH
LQRLQVNHAGSPCLPHLLSLRCLQGLGAFRLAARHLYQGFPTKEDFLEQEQFGARPVSLTGQEDOLANDNQWEATEGKTQ
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CYTTNPKLYDYCDVPCQCAAPSFQCGQVQVPEKCKPGR

Sequence Information

SDS-PAGE

ADDITIONAL INFORMATION

Product Categories/Family for PAP protein	Signal transduction; Enzyme & Kinase; Hematology; Eukaryotic proteins/EP
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NCBI AND UNIPROT INFORMATION

NCBI GI #	115583663
NCBI GeneID	5345
NCBI Accession #	NP_000925.2
NCBI GenBank Nucleotide #	NM_000934.3
UniProt Accession #	P08697; P00747
Molecular Weight	Predicted Molecular Mass: 109.4kDa Accurate Molecular Mass: 120kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	alpha-2-antiplasmin isoform a
NCBI Official Synonym Full Names	serpin peptidase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 2
NCBI Official Symbol	SERPINF2
NCBI Official Synonym Symbols	AAP; API; PLI; A2AP; ALPHA-2-PI
NCBI Protein Information	alpha-2-antiplasmin; serpin F2; alpha-2-AP; alpha-2-plasmin inhibitor; serine (or cysteine) proteinase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 2
UniProt Protein Name	Alpha-2-antiplasmin
UniProt Gene Name	SERPINF2
UniProt Synonym Gene Names	AAP; PLI; Alpha-2-AP; Alpha-2-PI
UniProt Entry Name	A2AP_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.