

Datasheet for ABIN935720 cPSA Protein



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Overview

Quantity:	100 µg
Target:	cPSA
Origin:	Human
Source:	Human
Protein Type:	Native

Product Details

Characteristics:	Purified native Human PSA/ACT complex protein Protein Source: Human plasma and seminal fluid
Purity:	> 90 % pure

Target Details

Target:	cPSA
Alternative Name:	PSA/ACT complex (cPSA Products)
Background:	<p>Prostate Specific Antigen (PSA), a glycoprotein of the glandular kallikrein family, is a serine protease with hymotrypsin-like enzymatic activity, is monitored as increased levels can indicate prostatic neoplasia. PSA released into circulation is present as unbound, free PSA (fPSA) or bound to serum protease inhibitors, such as alpha1-antichymotrypsin (ACT) and alpha2-macroglobulin (A2M). Research indicates that immunoassays for serum levels of PSA alone cannot be relied on to distinguish prostate cancer from benign prostatic hyperplasia (BPH). Serum levels of PSA-ACT complex are reportedly higher in patients with prostate cancer than in those with BPH. As such, measuring the ratio of PSA-ACT to fPSA in patient samples is proving</p>

Target Details

valuable in the differential diagnosis of prostate cancer.

Description: Human plasma and seminal fluid.

Alternative Names: Prostate Specific Antigen/1-antichymotrypsin complex antibody, PSA-ACT complex antibody

Molecular Weight: 81 kDa

Application Details

Application Notes: Each Investigator should determine their own optimal working dilution for specific applications.

Restrictions: For Research Use only

Handling

Buffer: 50 mM PBS, pH 7.5, with 0.09 % NaN₃.

Preservative: Sodium azide

Precaution of Use: **WARNING:** Reagents contain sodium azide. Sodium azide is very toxic if ingested or inhaled. Avoid contact with skin, eyes, or clothing. Wear eye or face protection when handling. If skin or eye contact occurs, wash with copious amounts of water. If ingested or inhaled, contact a physician immediately. Sodium azide yields toxic hydrazoic acid under acidic conditions. Dilute azide-containing compounds in running water before discarding to avoid accumulation of potentially explosive deposits in lead or copper plumbing.

Handling Advice: Avoid repeated freeze/thaw cycles.

Storage: -20 °C

Storage Comment: Aliquot and store at -20 °C.
