

EXB0011

Native human Prostate-specific antigen / PSA Lyophilized (0.1 mg)

Source:	Prostate-specific antigen (PSA) was purified from human seminal plasma by ion-exchange chromatography and gel filtration. The purified antigen was dialyzed against d.H ₂ O and lyophilized.
Description:	Prostate-specific antigen (PSA) is a glycoprotein of approx. 30 kDa found mainly in prostatic tissue and seminal fluid; it is produced by normal prostate cells. The molecule consists of approximately 92% protein and 8% carbohydrate. This enzyme participates in the dissolution of the seminal fluid coagulum and plays an important role in fertility. The highest amounts of PSA are found in the seminal fluid; some PSA escapes the prostate and can be found in the serum. This serum component has been used to track the response to therapy in men with prostate cancer.
Regulatory Status:	RUO
Purity:	> 95% (by SDS-PAGE)
Purification:	Ion-exchange chromatography and gel filtration. The purified protein was dialyzed against deionized water and lyophilized.
Activity:	The purified protein is suitable as positive control material. No biological assay has been performed.
Storage / Stability:	Store lyophilized product in freezer (-20 °C to -80 °C). The expiration date of unopened product vial is indicated on the vial label. After reconstitution prepare suitable aliquots. Reconstituted product is stable for at least 6 months when stored in freezer (-20 °C to -80 °C). Avoid freeze/thaw cycles.
Expiration:	See vial label
Lot Number:	See vial label
References:	*Zhang WM, Leinonen J, Kalkkinen N, Dowell B, Stenman UH: Purification and characterization of different molecular forms of prostate-specific antigen in human seminal fluid. Clin Chem. 1995 Nov;41(11):1567-73.

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