

Measure PSA Enzyme Activity (KLK3) with Diapharma Chromogenic Substrate CS PSA (KLK3)



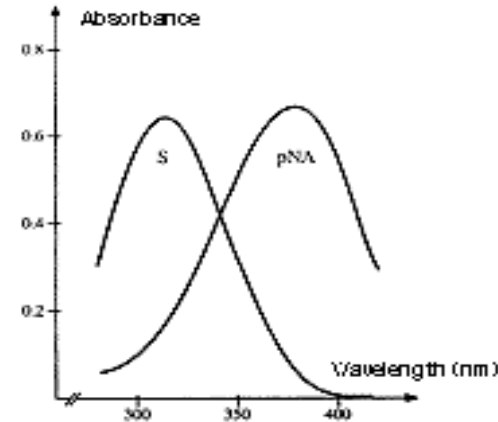
Research Use Only (RUO)

PSA



Substrate Sequence: MeO-Suc-Arg-Pro-Tyr- pNA

A *chromogenic substrate* is a synthetic peptide that includes the cleavage site of a natural substrate attached to a chemical group, pNA, that upon reaction with its specific protease, is cleaved off yielding color.



Prostate-specific antigen is a “chymotrypsin-like” serine protease:

- It belongs to the human kallikrein family of proteases and possesses a substrate specificity similar to that of chymotrypsin.
- PSA inhibitors** represent a promising class of research compounds.
 - Measure the inhibition of PSA’s proteolytic activity with a chromogenic substrate, such as the Diapharma **CS PSA (KLK3)**