Exalpha biologicals INC

# Protein Tyrosine Kinase. Purified from porcine Active Enzyme

Porcine Protein-Tyrosine Kinase Enzyme

## Background

The importance of protein tyrosine phosphorylation in such diverse cellular processes as proliferation, differentiation and gap-juunction communication is reflected in the enormous number of protein tyrosine kinases that have been identified and described in the last thirty years. The roles played by anomalies in expression of these enzymes in cancer and other disease states has made them targets of intense research interest as part of the ongoing search for new therapies. Tyrosine kinases purified from mammalian tissue sources may be valuable to the study of generalized tyrosine phosphorylation or for the generation of specific phosphorylated peptides.

Our PTK enzyme has been purified from porcine kidney utilizing both classical chromatographic procedures as well as affinity chromatography on immobilized substrate of random amino acid copolymers containing tyrosine, but not serine or threonine.

## Ordering Information

**Catalog Number**
X1190E

**Size**
500 units

**Form**
Unconjugated

**Host/Clone**
Purified from porcine

**Formulation**
Provided in 10mM Tris (pH 7.4) solution containing 100 mM NaCl, , 50% glycerol

**Concentration**
See vial for concentration

**Isotype**

**Applications**
Enzymatic activity standard for use in assays with protein-tyrosine kinases

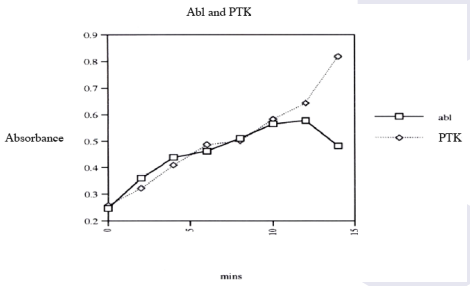
**Species Reactivity**
Porcine

**Accession Number**

## Immunogen

Porcine kidney

Typical time course of phosphorylation comparing PTK enzyme(Cat. No. X1190E) to a commercially available preparation Abl tyrosine kinase.







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## Positive Control/Tissue Expression

## Comments

## Purification

## Ship Conditions

Ship on dry ice, freeze upon arrival

## Storage Customer

Product should be stored at -70ºC. Aliquot to avoid freeze/thaw cycles

## Stability

Products are stable for one year from purchase when stored properly

## References

## Product Specific References



**For research use only. Not for use in human diagnostics or therapeutics.**

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