

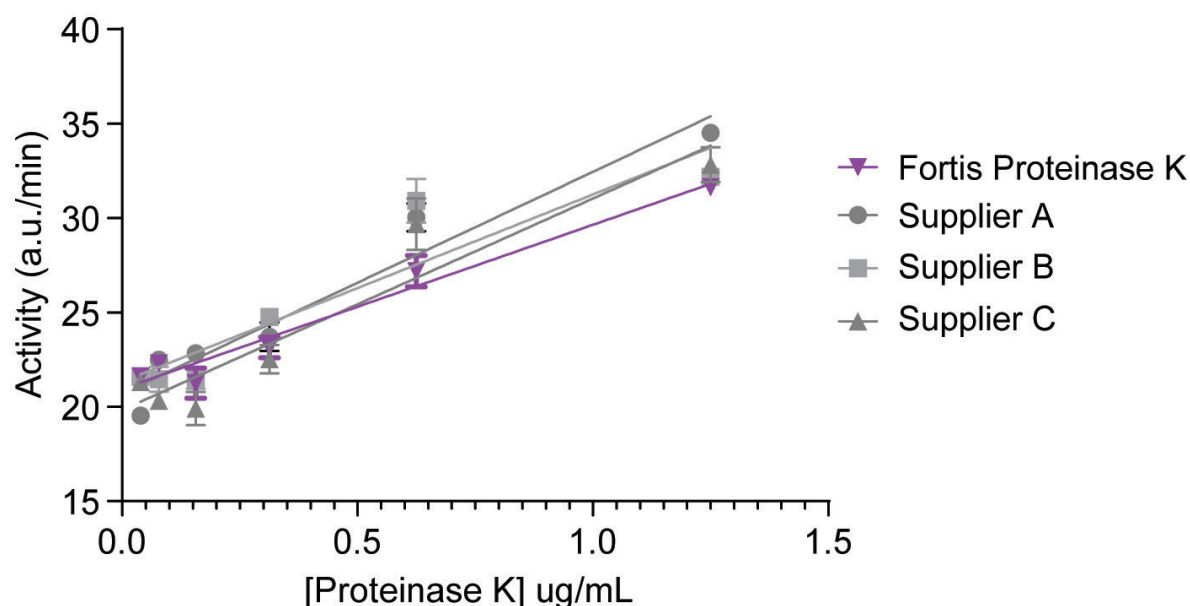
Proteinase K Enzyme

One enzyme, many applications

Proteinase K is a commonly used serine protease that has a wide variety of applications in molecular biology. At Fortis, we offer a highly efficient and broad-spectrum Proteinase K (PK). The enzyme is supplied at an industry standard of 20mg/ml but can be **customized to fit your needs!**

Applications:

- Remove proteins from nucleic acid samples prior to PCR amplification
- Digestion of proteins for proteomic analysis
- Removal of endotoxins from protein samples
- Purification of membrane proteins



Fortis's Proteinase K was tested against common competitors from various sources. They were combined with storage buffer to create a two-fold dilution series starting at a concentration of 1.25 mg/mL. Buffered reactions containing diluted enzyme were incubated for 30 minutes with a protein substrate dually labeled with FAM dye and quencher. Proteolytic cleavage of the substrate produces an increase in free fluorophore and a corresponding increase in solution fluorescence that can be measured in real-time using a microplate reader (Ex/Em = 495/520 nm).

ORDERING INFORMATION		
Catalog No:	Product Description	Volume
PKS-5mL	20mg/mL Proteinase K Solution	5mL
PKS-10mL	20mg/mL Proteinase K Solution	5mL

We offer **GMP Manufacturing** in our **ISO 13485:2016** certified facility.

To request a quote or more information contact us at fortislife.com/proteinase-k