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## Product Data Sheet

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Product Name: Welqut Protease

Cat. No.: GP26182

Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	withIcePacks
Formulation	Welqut Protease contains 10 mM Na <sub>2</sub> HPO <sub>4</sub> , 50% glycerol, 1.8 mM KH <sub>2</sub> PO <sub>4</sub> , pH 7.3, 140 mM NaCl and 2.7 mM KCl.		

### Introduction

WELQut Protease is an extremely specific and recombinant serine protease from Staphylococcus aureus. The WELQut Protease identifies and accurately cleaves recombinant proteins that has a recognition sequence added to them, with the amino acid sequence Trp, Glu, Leu, Gln, X (any amino acid). WELQut Protease cut externally from the recognition sequence, therefor doesn't leave extra amino acids bound to the target protein. The protease isn't temperature sensitive (works in 4-30°C) or pH sensitive (pH 6.5-9.0), also, there is no need in any particular buffers.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

Welqut Protease Recombinant is a single, non-glycosylated polypeptide chain containing 204 amino acids and having a molecular mass of 22kDa. The Welqut Protease is purified by proprietary chromatographic techniques.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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