
Product Data Sheet

Product Name: Welqut Protease, His
Cat. No.: GP26183
Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	withIcePacks
Formulation	Welqut Protease contains 10 mM Na ₂ HPO ₄ , 50% glycerol, 1.8 mM KH ₂ PO ₄ , 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 210 amino acids and having a molecular mass of 22kDa. The Welqut Protease is fused to a 6 amino acid His tag at C-terminus and is purified by proprietary chromatographic techniques.

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

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