

32-6948: Welqut Protease, His

Alternative Name :

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, therefore 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.

Description

Source: *Escherichia Coli*.

Sterile filtered colorless solution.

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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.

Product Info

Amount : 100U / 500U

Purification : Greater than 97% as determined by SDS-PAGE.

Content : Welqut Protease contains 10 mM Na₂HPO₄, 50% glycerol, 1.8 mM KH₂PO₄, pH 7.3, 140 mM NaCl and 2.7 mM KCl.

Storage condition : 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.