

## 32-6947: Welqut Protease

**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<sup>Å</sup> externally from the<sup>Å</sup> recognition sequence, therefor doesn<sup>Å</sup>t leave extra amino acids bound to the target protein. The protease isn<sup>Å</sup>t temperature sensitive (works in 4-30<sup>Å</sup>°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 204 amino acids and having a molecular mass of 22kDa. The Welqut Protease is purified by proprietary chromatographic techniques.

### Product Info

**Amount :** 100U / 500U

**Purification :** Greater than<sup>Å</sup> 97.0%<sup>Å</sup> as determined by SDS-PAGE.

**Content :** 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.

**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.