

**DATASHEET**

Version 2016-08-02

**PreScission Protease****Cat. No.:** Z02799-500**Size:** 500 IU**Synonyms:** PreScission Protease(PSP);**Description:**

PreScission Protease is a fusion protein of glutathione S-transferase (GST) and human rhinovirus (HRV) type 14 3C protease . The protease specifically recognizes a subset of sequences which include the core amino acid sequence Leu-Phe-Gln/Gly-Pro cleaving between the Gln and Gly residues . Substrate recognition and cleavage are likely to be dependent not only upon primary structural signals, but also upon the secondary and tertiary structures of the fusion protein as well.

**Source:** *E. coli***Biological Activity: Unit Definition:**

One unit is defined as the amount of enzyme needed to cleave 100 µg of fusion protein in 16 hours to 90% completion at 5°C in a buffer containing 50 mM Tris-HCl, pH 7.0, 150 mM NaCl, 1 mM EDTA, and 1 mM DTT.

**Cleavage Buffer:**

50 mM Tris-HCl, pH 7.0 (at 25 °C), 150 mM NaCl, 1 mM EDTA, 1 mM dithiothreitol. Chill to 5 °C prior to use.

**Physical Appearance:** Sterile colorless liquid.**Storage:** Should be stored in small aliquots at -20°C to -80°C for long term.

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