

DATASHEET
Version 20181206

PreScission Protease

Cat. No.: Z02799-100

Size: 100.0 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.

Appearance: Sterile colorless liquid.

Storage: Should be stored in small aliquots at -20°C to -80°C for long term.