Creative Enzymes®

Tobacco Etch Virus Protease, Recombinant

Cat. No. NATE-0922

Lot. No. (See product label)

Introduction

Description	Recombinant TEV Protease is a site-specific protease purified from E. coli by the affinity tag, GST tag. The protease can be used for the removal of affinity tags from fusion proteins. The seven-amino-acid recognition site for TEV protease is Glu-Asn-Leu-Tyr-Phe-Gln-Gly with cleavage occurring between Gln and Gly. The optimal temperature for cleavage is 30°C; however, the enzyme can be used at temperatures as low as 4°C. Following digestion, TEV protease can be removed from the reaction via the GST tag sequence by affinity chromatography.
Applications	A number of variables can be changed to optimize the cleavage of any specific protein. The amount of TEV protease, the temperature of the incubation, and the time needed for cleavage may be examined. If the protein of interest is heat-labile, then 4°C incubations are recommended. Reactions at 4°C will require longerincubation times and/or more TEV protease.
Synonyms	TEV protease; Tobacco Etch Virus nuclear inclusion a endopeptidase; Tobacco Etch Virus Protease

Product Information

Source	E. coli
Appearance	Clear colorless liquid.
Purity	>90% by SDS-PAGE

Storage and Shipping Information

Storage	Store recombinant TEV protease at -70°C for long term or at -20°C for < 6 months.