

★ Storage

Store at -20°C.

★ Contents

- Product Manual
- TEV Protease, 1mg/ml

ALL PRODUCTS SOLD BY GenDEPOT ARE INTENDED FOR RESEARCH USE ONLY UNLESS OTHERWISE INDICATED. THIS PRODUCT IS NOT INTENDED FOR DIAGNOSTIC OR DRUG PURPOSE

★ Shipping Condition

Ship on ice pack and dry ice.

★ Description

TEV (Tobacco Etch Virus) Protease is a highly enhanced site-specific cysteine protease that recognizes the cleavage site of Glu-Asn-Leu-Tyr-Phe-Gln-Gly and cleaves between Gln and Gly. TEV protease is resistant to auto-inactivation under normal reaction conditions and works as a better catalyst than the wild-type enzyme. It is a very useful enzyme for cleaving fusion proteins due to its high specificity and is high activity rate without the requirements of specialized buffer. It had both His tags and GST, which allows it to be removed by Ni-chelating or GSH resin.

★ Source

E.coli derived from Tobacco Etch Virus.

★ Application

- Removal of fusion tags from recombinant proteins
- Highly dynamic and precise cleavage capabilities
- Purification of proteins and peptides

★ Label

His and GST

★ Reaction Buffer

50mM Tris-HCl (pH 8.0), 0.5mM EDTA and 1mM DTT

★ Reaction Condition

Turbo TEV protease is maximally active at 34°C, but its recommended to perform digests at room temperature (20°C) or 4 °C. The activity of TEV protease is approximately 3-fold greater at 20°C than at 4°C.

★ Related Products

Product Name	Cat No
Albumin, (IgG, Fatty Acid and Protease Free)	A0100
Affiselect Cox IV Loading Control Antibody	A0017
Affiselect GAPDH Loading Control Antibody, 100ug	A0039
Affiselect Beta-Actin Loading Control Antibody, 100ug	A0042
Affiselect α-Tubulin Loading Control Antibody, 100ug	A0050
NP-40 Lysis Buffer (2X)	N1200
Affiselect Total Protein Extraction Solution	A0710
RIPA Cell Lysis Buffer (1X) with EDTA	R4100
Xpert Phosphatase Inhibitor Cocktail Solution (100X)	P3200
Xpert Prestained Protein Marker (6.5-240 kDa)	P8502
Xpert 2 Prestained Protein Marker (10-240 kDa)	P8503
Goat anti-Mouse IgG(H+L)-HRP, 1mg/ml	SA001
Goat anti-Rabbit IgG(H+L)-HRP, 200ug/0.5ml	SA002
Rabbit anti-Goat IgG(H+L)-HRP, 200ug/0.5ml	SA007
West-Q Pico Dura ECL Solution	W3653
West-Q Femto ECL Solution	W3700