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EZCut TEV Protease, recombinant protein

Nuclear inclusion protein A, NIa protein
Catalog # PBV11406r

Specification

EZCut TEV Protease, recombinant protein - Product info

Concentration	**1**
Calculated MW	**28.6 kDa (2038–2279 aa + C-terminal poly-his tag). KDa**

EZCut TEV Protease, recombinant protein - Additional Info

Other Names
Nuclear inclusion protein A, NIa protein

Source	**E. coli**
Assay&Purity	**SDS-PAGE; ≥95%**
Assay2&Purity2	**HPLC;**
Recombinant	**Yes**
Results	**≥10,000 units/mg**
Sequence	**2038–2279 aa**

Target/Specificity
TEV Protease

Format
Liquid

Storage
-80°C; 1 mg/ml solution in 0.1 M Tris-HCl, 0.5 M NaCl, 20% glycerol, 5 mM DTT and 0.5 mM EDTA, pH 8.0

EZCut TEV Protease, recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

EZCut TEV Protease, recombinant protein - Images

EZCut TEV Protease, recombinant protein - Background

BioVision’s EZCut™ TEV Protease is a cysteine protease that recognizes the cleavage site of

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Glu-Xaa- Xaa-Y- Xaa-Gln-(Gly/Ser) and cleaves between Gln and Gly/Ser. The optimal sequence is Glu-Asn-Leu-Tyr-Phe-Gln-Ser/Glycine (ENLYFQS/G). It contains an enhanced form of a catalytic fragment of the NIa protein of Tobacco etch virus (TEV). TEV Protease is a restriction grade protease that has robust activity at 4□C with high specificity and great stability. The optimal temperature for cleavage with this enzyme is 34°C. The protease can be used for the removal of affinity tags from fusion proteins. It contains a C-terminal His tag and can be easily removed after cleavage reactions by passing the reaction through a Ni-chelating resin. BioVision's EZCut™ TEV Protease is an improved version of TEV protease that is highly site-specific, highly active, and significantly more stable than native TEV protease, resulting in enhanced long-term activity.