

TEV Protease

CERTIFICATE OF ANALYSIS

#RP171, RP172

TEV Protease

Quantity:

100 U, 1 000U

Components:

TEV Protease 1U/μl LOT: XAE806574
20x TEV Reaction Buffer LOT: XAB806574
100 mM DTT LOT: XAD806574

Expiry Date:

08.2021

Store at:

-20°C

Shipping conditions:

Shipping on dry or blue ice

Specification:

Recombinant TEV Protease is a highly site-specific cysteine protease, which is found in the Tobacco Etch Virus. Due to its sequence specificity, the TEV protease is a very powerful reagent for the removal of fusion tags from recombinant proteins after protein purification. The enzyme has been genetically modified to increase its activity and resistance to autolysis. It consists of the 27 kDa catalytic domain with an N-terminal polyhistidine tag.

TEV Protease specifically recognizes a seven amino acid sequence of the general form Glu-X-X-Tyr-X-Gln↓(Gly/Ser), most commonly Glu-Asn-Leu-Tyr-Phe-Gln↓Gly, and cleaves between glutamine and glycine or serine.

TEV Protease can also be used to cleave the affinity tag from a fusion protein immobilized on the affinity resin. Following digestion, the TEV Protease can be easily removed from the cleavage reaction by affinity chromatography using the polyhistidine tag at the N-terminus of the protease.

QUALITY CONTROL

The enzyme is functionally tested for the absence of any non-specific protease activity. Electrophoretic purity over 90% (SDS-PAGE).

Quality authorized by: Justyna Leibner-Ciszak

Date: 25.10.2019

This document was generated electronically and is therefore valid without signature.

PRODUCT USE LIMITATION

This product of Blirt S.A. has been developed for research purposes only and it is not suitable for human and animal therapeutic or diagnostic use.

WARRANTY TERMS

Blirt S.A. guarantees that the quality of the product, within its expiry date, complies with the specifications of the Certificate of Analysis provided the product was stored properly in original packaging. In case of any complaints within specified warranty period, Blirt S.A. is obliged to replace any batch or Product's item within the Product's expiry date, free of charge. Blirt S.A. awards no other, additional warranties, excluding any other direct or indirect guarantees regarding suitability, productivity, the purpose of use, merchantability, storage conditions or any other factors in relation to products of Blirt S.A.

LIMITATION OF LIABILITY

Blirt S.A. is not liable for any direct, indirect, incidental, intentional, or consequential damages that may result from the use of or inability to use any product of Blirt's. By purchasing any Blirt's product, a purchaser acknowledges the guarantee terms that indisputably state that the only grounds for a complaint and thereby replacement of the product, free of charge is a detection of the product's defect that compromises its functionality in accordance with its specification.