

Recombinant C4 Protease protein ab134862

Description

Product name	Recombinant C4 Protease protein
Purity	> 95 % SDS-PAGE.
Expression system	Tobacco Vein Mottling Virus
Accession	<u>P09814</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Tobacco vein mottling virus
Sequence	MASMTGGQQMGRGHHHHHHGNLYFQGGEFSKALLKGVR DFNPISACVWLL ENSSDGHSERLFGIGFGPYIANQHLFRRNNGELTIKTMHGE FKVKNSTQ LQMKPVEGRDIVIKMAKDFPPFPQKLKFRQPTIKDRVCMV STNFQQKSV SSLVSESSHIVHKEDTSFWQHWITTKDGCQSPLVSIIDGN ILGIHSLTH TTNGSNYVEFPEKFVATYLDAAAGWCKNWKFNADKISW GSFTLVEDAPE DDFMAKKTVAAIMD
Predicted molecular weight	30 kDa including tags
Amino acids	2002 to 2236
Tags	His tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab134862** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Functional Studies SDS-PAGE
Form	Liquid
Additional notes	C4 Protease could be easily removed from the cleavage reaction by affinity chromatography using the polyhistidine tag at N-terminal. Complete digestion 50ug of MBP-IL6 fusion protein

using 1 ug TVMV C4 Protease (in 1:50 ratio) for 12 hours at 4°C.

Preparation and Storage

Stability and Storage

Shipped at 4°C. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.

Constituents: 79% PBS, 20% Glycerol

This product is an active protein and may elicit a biological response in vivo, handle with caution.

General Info

Relevance

This peptidase is present in the nuclear inclusion protein of potyviruses. TVMV C4 protease derived from Tobacco Vein Mottling Virus, recognizes a linear epitope of the general form T_V_R_F_Q / S with cleavage occurring between Q and S. The protease is used to cleave affinity tag from fusion protein. The optimal temperature for cleavage is 30 °C.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
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