Datasheet for ABIN1574313

TMPRSS15 Protein

7 Publications

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Overview

Quantity:	100 IU
Target:	TMPRSS15
Origin:	Pig
Source:	Yeast
Biological Activity:	Active

Product Details

Characteristics:	The Enterokinase is a highly purified recombinant porcine enterokinase. The enzyme has been extensively purified and tested to ensure that there are no other contaminating proteases.

Target Details

Target:	TMPRSS15
Alternative Name:	Enterokinase (TMPRSS15 Products)
Background:	Enterokinase is a specific protease that cleaves after a lysine preceded by four aspartic acids: Asp-Asp-Asp-Asp-Lys. Enterokinase will not cleave, however, if this lysine is followed by a proline. Enterokinase can remove fusion tags is located in the N-terminal section of proteins, useful for removing unwanted tags
Molecular Weight:	Theoretical MW: 21,880 Da, the apparent MW on SDS-PAGE: about 40,000 Da

Application Details

Restrictions:	For Research Use only

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Handling

Format:	Liquid
Concentration:	2 U/µL
Storage:	-20 °C
Storage Comment:	Store at -20°C after delivery.The enterokinase, formulated using proprietary technology, can be shipped at room temperature. It will remain stable at 37°C for one week without losing any activity.

Publications

Product cited in:

Chen, Ren, Han, Mu, Li, Ma, Cui: "A cadherin-like protein from the beet armyworm Spodoptera exigua (Lepidoptera: Noctuidae) is a putative Cry1Ac receptor." in: **Archives of insect biochemistry and physiology**, Vol. 86, Issue 1, pp. 58-71, (2014) (PubMed).

Petersen, Montserrat, Mujico, Loh, Beringer, van Lummel, Thompson, Mearin, Schweizer, Kooy-Winkelaar, van Bergen, Drijfhout, Kan, La Gruta, Anderson, Reid, Koning, Rossjohn: "T-cell receptor recognition of HLA-DQ2-gliadin complexes associated with celiac disease." in: **Nature structural & molecular biology**, Vol. 21, Issue 5, pp. 480-8, (2014) (PubMed).

Kartner, Yao, Bhargava, Manolson: "Topology, glycosylation and conformational changes in the membrane domain of the vacuolar H+-ATPase a subunit." in: **Journal of cellular biochemistry**, Vol. 114, Issue 7, pp. 1474-87, (2013) (PubMed).

Ren, Chen, Zhang, Ma, Cui, Han, Mu, Li: "A Spodoptera exigua cadherin serves as a putative receptor for Bacillus thuringiensis Cry1Ca toxin and shows differential enhancement of Cry1Ca and Cry1Ac toxicity." in: **Applied and environmental microbiology**, Vol. 79, Issue 18, pp. 5576-83, (2013) (PubMed).

Luo, Ai, Zhou, Min, Liang, Zhang, Song, Liu, Zhang: "Molecular structure, expression analysis and functional characterization of APRIL (TNFSF 13) in goat (Capra hircus)." in: **Gene**, Vol. 485, Issue 2, pp. 63-8, (2011) (PubMed).

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