Datasheet for ABIN7197548

PRSS8 Protein (AA 30-289) (His tag)

1 Image

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Overview

Quantity:	50 µg
Target:	PRSS8
Protein Characteristics:	AA 30-289
Origin:	Mouse
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PRSS8 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse Prostasin/PRSS8 Protein (aa 30-289, His Tag)
Sequence:	Ala 30-Gln 289
Characteristics:	A DNA sequence encoding the mouse PRSS8 (EDL17608.1) (Ala 30-Gln 289) was expressed,fused with a polyhistidine tag at the C-terminus and a signal peptide at the N-terminus.
Purity:	> 97 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.

Target Details

Target:	PRSS8
Alternative Name:	Prostasin/PRSS8 (PRSS8 Products)

Target Details

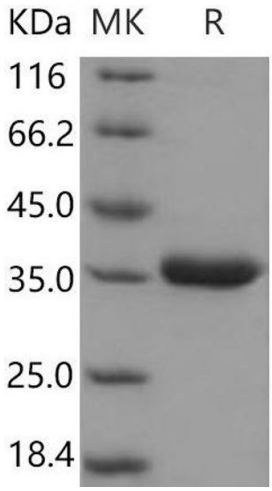
Background:	Background: Prostasin (Prss8), also known as channel activating protease 1 (CAP1), is a trypsinlike serine peptidase, and plays important roles in epithelial physiology. It is originally purified as an active, soluble enzyme from human seminal fluid and is highly expressed in prostate, lung, kidney, salivary gland and pancreas. Prostasin is expressed as a glycosyl-phosphatidylinositol (GPI)-anchored membrane protein in prostate epithelial cells, and also exists as a secreted proteolytic enzyme possibly via tryptic cleavage of its COOH-terminal hydrophobic domain. Prostasin is found to activate the epithelial sodium channel (ENaC) which is tightly regulated and is critical for maintaining salt and fluid balance in the lung and kidney in both normal and pathological conditions. Accordingly, prostasin has been proposed as a target for therapeutic inhibition in cystic fibrosis. In addition, prostasin inhibits prostate and breast cancer cell invasion in vitro, suggesting a functional role as a suppressor of tumor invasion, as well as a regulator of gene expression during inflammation. Synonym: 2410039E18Rik,AI313909,C79772,CAP1,fr,mCAP1
Molecular Weight:	29.3 kDa

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile 20 mM Tris, 500 mM NaCl, pH 7.4
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.