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Datasheet for ABIN7197543
PRSS27 Protein (His tag)

Overview

Quantity:	50 µg
Target:	PRSS27
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This PRSS27 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Pancreasin/Marapsin/PRSS27 Protein (His Tag)(Active)
Sequence:	Met 1-Lys 290
Characteristics:	A DNA sequence encoding the human PRSS27 (Q9BQR3) extracellular domain (Met 1-Lys 290) was expressed, fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Measured by its ability to cleave a colorimetric peptide substrate, NcarbobenzyloxyGlyArgThioBenzyl ester (ZGR-SBzl), in the presence of 5,5'Dithiobis (2-nitrobenzoic acid) (DTNB). The specific activity is > 2000 pmols/min/µg.

Target Details

Target:	PRSS27
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Target Details

Alternative Name: Pancreasin/Marapsin/PRSS27 ([PRSS27 Products](#))

Background: Background: The name "Pancreasin" because it is transcribed strongly in the pancreas. This secreted, tryptic serine protease, also known as Marapsin or PRSS27 (Protease, serine, 27), which is a member of the peptidase S1 family. Pancreasin is inhibited by benzamidine and leupeptin but resists several classic inhibitors of trypsin. Marapsin was constitutively expressed in nonkeratinizing stratified squamous epithelia of human esophagus, tonsil, cervix, larynx, and cornea. In fact, marapsin was the second most strongly up-regulated protease in psoriatic lesions, where expression was localized to the upper region of the hyperplastic epidermis. Similarly, in the hyperproliferative epithelium of regenerating murine skin wounds, marapsin localized to the suprabasal layers, where keratinocytes undergo squamous differentiation. Marapsin's restricted expression, localization, and cytokine-inducible expression suggest a role in the terminal differentiation of keratinocytes in hyperproliferating squamous epithelia.

Synonym: CAPH2;MPN;UNQ1884/PRO4327

Molecular Weight: 30.9 kDa

UniProt: [Q9BQR3](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, 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.
