

Human Pancreasin/Marapsin/PRSS27 (His Tag) recombinant protein



Catalog Number: 501036

General Information

Gene Name Synonym

Marapsin; Pancreasin

Protein Construction

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.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

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.

Purity

> 95 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μg of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

Ala 23

Molecular Mass

The recombinant human PRSS27 consists of 279 amino acids and has a predicted molecular mass of 30.9 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh PRSS27 is approximately 42 kDa due to glycosylation.

Formulation

Lyophilized from sterile PBS, pH 7.4
1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

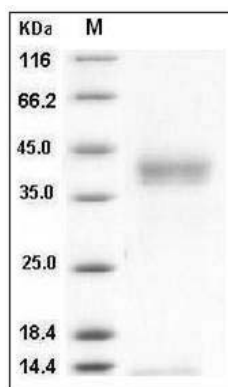
Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



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(His Tag) SDS-PAGE