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Product Information

MemDX™ Membrane Protein Human PRSS8 (Serine protease 8) Full Length

Cat. No.: **MPC1016K**
This product is for research use only and is not intended for diagnostic use.

This product is a 36.4 kDa Human PRSS8 membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species
Human

Target Protein
PRSS8

Protein Length
Full length

Protein Class
Protease

Molecular Weight
36.4 kDa

TMD
1

Sequence
MAQKGVLGPGQLGAVAILLYLGLLRSGTGAEGAEAPCGVAPQARITGGSS
AVAGQWPWQVSITYEGVHVCGGSLVSEQWVLSAAHCFPSEHHKEAYEVKL
GAHQLDSYSEDAKVSTLKDIIPHPSYLQEGSQGDIALLQLSRPITFSRYI
RPICLPAANASFPNGLHCTVTGWGHVAPSVSLLTPKPLQQLEVPLISRET
CNCLYNIDAKPEEPHFVQEDMVCAGYVEGGKDACQGDSGGPLSCPVEGLW
YLTGIVSWGDACGARNRPGVYTLASSYASWIQSKVTELQPRVVPQTQESQ
PDSNLCGSHLAFSSAPAQGLLRPILFLPLGLALGLLSPWLSEH

Product Description

Expression Systems
HEK293

Tag
Based on specific requirements

Protein Format

Detergent or based on specific requirements

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

PRSS8

Full Name

Serine protease 8

Introduction

This gene encodes a member of the peptidase S1 or chymotrypsin family of serine proteases. The encoded preproprotein is proteolytically processed to generate light and heavy chains that associate via a disulfide bond to form the heterodimeric enzyme. This enzyme is highly expressed in prostate epithelia and is one of several proteolytic enzymes found in seminal fluid. This protease exhibits trypsin-like substrate specificity, cleaving protein substrates at the carboxyl terminus of lysine or arginine residues. The encoded protease partially mediates proteolytic activation of the epithelial sodium channel, a regulator of sodium balance, and may also play a role in epithelial barrier formation.

Alternative Names

PRSS8; CAP1; PROSTASIN; prostasin; channel-activating protease 1; channel-activating serine protease 1; protease, serine 8; Serine protease 8

Gene ID

5652

UniProt ID

Q16651

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