

Product Information

MemDX™ Membrane Protein Human PCSK4 (Proprotein convertase subtilisin/kexin type 4)

Expressed *in vitro* *E.coli* expression system, Full Length of Mature Protein

Cat. No.: **MPX1971K**

This product is for research use only and is not intended for diagnostic use.

This product is a Human PCSK4 membrane protein expressed *in vitro* *E.coli* expression system. 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

PCSK4

Protein Length

Full Length of Mature Protein

Protein Class

Protease

TMD

1

Sequence

SVVVPTDPWFSKQWYMNSEAQPDLISILQAWSQGLSGQGIVSVLDDGIEKDHPDLWANYDPLASYDFNDYDPDPQPRYTPSKEN

Product Description

Expression Systems

in vitro *E.coli* expression system

Tag

10xHis tag at the N-terminus

Protein Format

Soluble

Form

Liquid or Lyophilized powder

Buffer

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

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

PCSK4

Full Name

Proprotein convertase subtilisin/kexin type 4

Introduction

This gene encodes a member of the subtilisin-like proprotein convertase family, which includes proteases that process protein and peptide precursors trafficking through regulated or constitutive branches of the secretory pathway. The encoded protein undergoes an initial autocatalytic processing event in the ER to generate a heterodimer which exits the ER and sorts to subcellular compartments where a second autocatalytic even takes place and the catalytic activity is acquired. This gene encodes one of the seven basic amino acid-specific members which cleave their substrates at single or paired basic residues. The protease is expressed only in the testis, placenta, and ovary. It plays a critical role in fertilization, fetoplacental growth, and embryonic development and processes multiple prohormones including pro-pituitary adenylate cyclase-activating protein and pro-insulin-like growth factor II.

Alternative Names

PCSK4; PC4; SPC5; testicular tissue protein Li 135; Proprotein convertase subtilisin/kexin type 4

Gene ID

[54760](#)

UniProt ID

[Q6UW60](#)