

Product Information

MemDX™ Membrane Protein Human CLTRN (Collectrin, amino acid transport regulator) Full Length

Cat. No.: **MPC1503K**

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

This product is a 25.2 kDa Human CLTRN 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

CLTRN

Protein Length

Full length

Protein Class

Transporter

Molecular Weight

25.2 kDa

TMD

1

Sequence

MLWLLFFLVTAIHAELCQPGAENAFKVRLSIRTALGDKAYAWDTNEEYLF
KAMVAFSMRKVPNREATEISHVLLCNVTQRVSFVFTDPSKNHTLP
AVEVQSAIRMNKNRINNAFFLNDQTLEFLKIPSTLAPPMDSVP
IWIIFGVI
FCIIIVAIALLLSGIWQRRRKNKEPSEVDDAEDKCENMITIENGIPSDP
LDMKGGHINDAFMTEDERLTPL

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**

CLTRN

Full Name

Collectrin, amino acid transport regulator

Introduction

This gene encodes a type 1 transmembrane protein that is important for trafficking amino acid transporters to the apical brush border of proximal tubules. The encoded protein binds to amino acid transporters and regulates their expression on the plasma membrane. It also plays a role in controlling insulin exocytosis by regulating formation of the SNARE (soluble N-ethylmaleimide-sensitive-factor attachment protein receptor) complex in pancreatic beta cells. The extracellular domain of the encoded protein may be cleaved and shed from the plasma membrane specifically in pancreatic beta cells.

Alternative Names

CLTRN; NX17; NX-17; TMEM27; collectrin; kidney-specific membrane protein; transmembrane protein 27; Collectrin, amino acid transport regulator

Gene ID

[57393](#)

UniProt ID

[Q9HBJ8](#)