

Product Information

MemDX™ Membrane Protein Human DERL1 (Derlin 1) Expressed *in vitro* *E.coli* expression system, Full Length

Cat. No.: **MPX2304K**

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

This product is a Human DERL1 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

DERL1

Protein Length

Full Length

Protein Class

Transport

TMD

4

Sequence

MSDIGDWFRSIPAITRYWFAATVAVPLVGKLGKGLISPAYLFLWPEAFLYRFQIWRPITATFYFPVGP GTGFLYLVNLYFLYQYSTRLETG

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

DERL1

Full Name

Derlin 1

Introduction

The protein encoded by this gene is a member of the derlin family. Members of this family participate in the ER-associated degradation response and retrotranslocate misfolded or unfolded proteins from the ER lumen to the cytosol for proteasomal degradation. This protein recognizes substrate in the ER and works in a complex to retrotranslocate it across the ER membrane into the cytosol. This protein may select cystic fibrosis transmembrane conductance regulator protein (CFTR) for degradation as well as unfolded proteins in Alzheimer's disease. Alternative splicing results in multiple transcript variants that encode different protein isoforms.

Alternative Names

DERL1; DER1; DER-1; derlin-1; DERtrin-1; Der1-like domain family, member 1; degradation in endoplasmic reticulum protein 1; Derlin 1

Gene ID

[79139](#)

UniProt ID

[Q9BUN8](#)