

# Product Information

## MemDX™ Membrane Protein Human LMBR1 (Limb development membrane protein 1) Full Length

Cat. No.: **MPC2562K**

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

This product is a made-to-order Human LMBR1 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

LMBR1

#### Protein Length

Full length

#### Protein Class

Receptor

#### TMD

9

#### Sequence

MEGQDEVSAREQHFHSQVRESTICFLFAILYVVSYFIITRYKRKSDEQE  
DEDAIVNRISLFLSTFTLAWSAGAVLLPFSIISNEILLSFPQNYIQWL  
NGSLIHGLWNLASLFSNLCLFVLMPFAFFFLESEGFAGLKKGIRARILET  
LVMLLLLALLILGIVWVASALIDNDAASMESLYDLWEFYLPYLYSCISLM  
GCLLLLLCTPVGLSRMFTVMGQLLVKPTILEDLDEQIYIITLEEEALQRR  
LNGLSSSVEYNIMELEQELENVKTLKTKLERRKKASAWEERNLVYPAVMVL  
LLIETSISVLLVACNILCLLVDETAMPKGTRGPGIGNASLSTFGFVGAAL  
EIILIFYLMSSVVGFSRFFGNFTPKKDDTTMTKIIGNCVSILVSSA  
LPVMSRTLGITRF DLLGDFGRFNWLGNFYIVLSYNLLFAIVTTLCLVRKF  
TSAVREELFKALGLHKLHLPNTSRDSETAKPSVNGHQKAL

### Product Description

#### Expression Systems

HEK293

#### Tag

Based on specific requirements

**Protein Format**

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

**Form**

Liquid

**Storage**

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

**Target****Target Protein**

LMBR1

**Full Name**

Limb development membrane protein 1

**Introduction**

This gene encodes a member of the LMBR1-like membrane protein family. Another member of this protein family has been shown to be a lipocalin transmembrane receptor. A highly conserved, cis-acting regulatory module for the sonic hedgehog gene is located within an intron of this gene. Consequently, disruption of this genic region can alter sonic hedgehog expression and affect limb patterning, but it is not known if this gene functions directly in limb development. Mutations and chromosomal deletions and rearrangements in this genic region are associated with achiropody and preaxial polydactyly, which likely result from altered sonic hedgehog expression.

**Alternative Names**

LMBR1; LSS; TPT; ZRS; ACHP; PPD2; THYP; DIF14; C7orf2; limb region 1 protein homolog; differentiation-related gene 14 protein; limb region 1 homolog; Limb development membrane protein 1

**Gene ID**

[64327](#)

**UniProt ID**

[Q8WVP7](#)