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Product Information

MemDX™ Membrane Protein Human LMBR1 (Limb development membrane protein 1 expressed in *in vitro* wheat germ expression system) for Antibody Discovery

Cat. No.: **MP0641X**
This product is for research use only and is not intended for diagnostic use.

This product is a 81.5 kDa Human LMBR1 membrane protein expressed in *in vitro* wheat germ 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
LMBR1

Protein Length
Full-length

Molecular Weight
81.5 kDa

TMD
9

Sequence
MEGQDEVSAREQHFHSQVRESTICFLLFAILYVVSYFIITRYKRKSDEQEDEDAIVNRISLFLSTFTLAVSAGAVLLLPFSIISNEILLSFP

Product Description

Application
Enzyme-linked Immunoabsorbent Assay, Western Blot (Recombinant protein), Antibody Production, Protein Array

Expression Systems
in vitro wheat germ expression system

Tag
GST-tag at N-terminal

Form
Liquid

Purification

Glutathione Sepharose 4 Fast Flow

Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer

Storage

Store at +4°C for up to one week or several months at -80°C

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 acheiropody and preaxial polydactyly, which likely result from altered sonic hedgehog expression

Alternative Names

LSS; TPT; ZRS; ACHP; PPD2; THYP; DIF14; C7orf2

Gene ID

64327

UniProt ID

Q8WVP7

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