

Product Information

MemDX™ Membrane Protein Human LEMD3 (LEM domain containing 3) Full Length

Cat. No.: **MPC4033K**

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

This product is a made-to-order Human LEMD3 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

LEMD3

Protein Length

Full length

Protein Class

Receptor

TMD

2

Sequence

MAAAAASAPQQLSDEELFSQLRRYGLSPGPVTESTRPVYLKKLKKLREEE
QQQHRSGGRGNKTRNSNNNTAAATVAAAGPAAAAAGMGVVRPVSGDLSY
LRTPGGLCRISASGPESLLGGPGGASAPAAAGSKVLLGFSSDESDEVEASP
RDQAGGGGRKDRASLQYRGLKAPPAPLAASEVTNSNSAERRKPHSWWGAR
RPAGPELQTPPGKDGAVEDEEGEGEDGEERDPETEEPLWASRTVNGSRLV
PYSCRENYSDSEEDDDDDVASSRQVLKDDSLSRHRPRRTHSKPLPPLTAK
SAGGRLETSVQGGGGLAMNDRAAAAAGSLDRSRNLEAAAAAEQGGGCDQVD
SSPVPRYRVNAKKLTPLLPPPLTDMDSSTLSSTGSLKTNNHIGGGAFSV
DSPRIYSNSLPPSAAVAASSSLRINHANHTGSNHTYLNKNTYNKPKLSEPE
EELLQQFKREEVSPTGSFSAHYLSMFLLTAACLFFLILGLTYLGMRTGV
SEDGELSIENPFGETFGKIQESEKTLMMNTLYKLHDRLAQLAGDHECGSS
SQRTLSVQEAAYLKDLGPEYEGIFNTSLQWILENGKDVGIRCVGFGPEE
ELTNITDVQFLQSTRPLMSFWCRFRRAFTVTHRLLLCLGVVMVCVLR
YMKYRWTKEEEETRQMYDMVVKIIDVLRSHNEACQENKDLQPYMPIPHVR
DSLIQPHDRKKMKVWDRVDFLAANESRVRTETRRIGGADFLVWRWIQ
SASCDKILVIPSKVWQQAFLDRLNSPPNSLTPCLKIRNMFDPMVEIGD
QWHLAIQEAILEKCSNDGIVHIAVDKNSREGCVYVKCLSPEYAGKAFKA
LHGSWFDGKLVTVKYLRRLDRYHHRFPQALTSNTPLKPSNKHMSMSHLRL
RTGLTNSQGSS

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

LEMD3

Full Name

LEM domain containing 3

Introduction

This locus encodes a LEM domain-containing protein. The encoded protein functions to antagonize transforming growth factor-beta signaling at the inner nuclear membrane. Two transcript variants encoding different isoforms have been found for this gene. Mutations in this gene have been associated with osteopoikilosis, Buschke-Ollendorff syndrome and melorheostosis.

Alternative Names

LEMD3; MAN1; inner nuclear membrane protein Man1; LEM domain-containing protein 3; LEMD3/MKX fusion; MAN antigen 1; integral inner nuclear membrane protein; LEM domain containing 3

Gene ID

[23592](#)

UniProt ID

[Q9Y2U8](#)