

Product Information

MemDX™ Membrane Protein Human PROM1 (Prominin 1) Full Length

Cat. No.: **MPC2528K**

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

This product is a made-to-order Human PROM1 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

PROM1

Protein Length

Full length

Protein Class

Transporter

TMD

5

Sequence

MALVLGSLLLGLCGNSFSGGQPSSTDAPKAWNYELPATNYETQDSHKAG
PIGILFELVHIFLYVVQPRDFPEDTLRKFLQKAYESKIDYDKPETVILGL
KIVYYEAGIILCCVLGLLFIILMPLVGYFFCMCRCCNKCGGEMHQRQKEN
GPFLRKCF AISLLVICIIISIGIFYGFVANHQVRTRIKRSRKLADSNFKD
LRTLNETPEQIKYILAQYNTTKDKAFTDLNSINSVLGGGILDRLRPNI
PVLDEIKSMATAIKETKEALENMNSTLKSLHQQSTQLSSSLTSVKTSLSRS
SLNDPLCLVHPSETCNSIRLSLSQLNSNPELRQLPPVDAELDNVNNVLR
TDLDGLVQQGYQSLNDIPDRVQRQTTTVVAGIKRVLNSIGSDIDNVQRL
PIQDILSAFSVYVNNTESYIHRNLPTLEEYDSYWWLGGLVICSLTLVI
FYYLGLLCGVCYDRHATPTTRGCVSNTGGVFLMVGVLGSLFCWILMII
VVLTFVFGANVEKLICEPYTSKELFRVLDTPYLLNEDWEYYLSGKLFNKS
KMKLTFEQVYSDCKNRTGYGTLHLQNSFNISEHLNINEHTGSISSELES
LKVNLFILLGAAGRKNLQDFAACGIDRMNYDSYLAQTGKSPAGVNLLSF
AYDLEAKANSLPPGNLRNSLKRDAQTIKTIHQQRVLPSEQSLSTLYQSVK
ILQRTGNGLLERVTRILASLDFAQNFITNNTSSVIIETKKYGRITIGYF
EHYLQWIEFSISEKVASCKPVATALDVAVDVFLCSYIIDPLNLFWFGIGK
ATVFLPALIFAVKLAKYYRRMDSDEVYDDVETIPMKNMENGNNGYHKDH
VYGIHNPVMTSPSQH

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

PROM1

Full Name

Prominin 1

Introduction

This gene encodes a pentaspan transmembrane glycoprotein. The protein localizes to membrane protrusions and is often expressed on adult stem cells, where it is thought to function in maintaining stem cell properties by suppressing differentiation. Mutations in this gene have been shown to result in retinitis pigmentosa and Stargardt disease. Expression of this gene is also associated with several types of cancer. This gene is expressed from at least five alternative promoters that are expressed in a tissue-dependent manner. Multiple transcript variants encoding different isoforms have been found for this gene.

Alternative Names

PROM1; RP41; AC133; CD133; MCDR2; STGD4; CORD12; PROML1; MSTP061; prominin-1; antigen AC133; hProminin; hematopoietic stem cell antigen; prominin-like protein 1; Prominin 1

Gene ID

[8842](#)

UniProt ID

[O43490](#)