

Product Information

MemDX™ Membrane Protein Human KIRREL1 (Kirre like nephrin family adhesion molecule

1) Full Length

Cat. No.: **MPC4174K**

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

This product is a made-to-order Human KIRREL1 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

KIRREL1

Protein Length

Full length

Protein Class

Receptor

TMD

1

Sequence

MLSLLVWILTLSDTFSQGTQTRFSQEPADQTVVAGQRAVLPCVLLNYSGL
VQWTKDGLALGMGQGLKAWPRYRVVGSADAGQYNLEITDAELSDDASYEC
QATEAALRSRAKLTVLIPPEDTRIDGGPVILLQAGTPHNLTCTAFNAKP
AATIIWFRDGTQQEGAVASTELLKDGKRETTVSQLLINPTDLDIGRVFTC
RSMNEAIPSGKETSIELDVHHPPTVTLSIEPQTVQEGERVVFTCQATANP
EILGYRWAKGGFLIEDAHESRYETNVDYSFFTEPVSCVHNKVGSTNVST
LVNVHFAPRIVVDPKPTTTDIGSDVTLTCVWVGNPPLTLTWTKKDSNMVL
SNSNQLLLKSVTQADAGTYTCRAIVPRIGVAEREVPLYVNGPPIISSEAV
QYAVRGDGGKVECFIGSTPPPDRIAWAWKENFLEVGTLERYTVERTNSGS
GVLSTLTINNVMEDFQTHYNCTAWNSFGPGTAIIQLEEREVLPGIIAG
ATIGASILLIFFFIALVFFLYRRRKGSRKDVTLRKLDIKVETVNREPLTM
HSDREDDTASVSTATRVMKAIYSSFKDDVDLQDLRCDTIDTREEYEMKD
PTNGYYNVRAHEDRPSSRAVLYADYRAPGPARFDGRPSSRLSHSSGYAQL
NTYSRGPASDYGPEPTPPGPAAPAGTDTTSQLSYENYEKFNSHPFPGAAG
YPTYRLGYPQAPPSGLERTPYEAYDPIGKYATATRFYSYSQHSYDYGQRFQ
QRMQTHV

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**

KIRREL1

Full Name

Kirre like nephrin family adhesion molecule 1

Introduction

NEPH1 is a member of the nephrin-like protein family, which includes NEPH2 (MIM 607761) and NEPH3 (MIM 607762). The cytoplasmic domains of these proteins interact with the C terminus of podocin (NPHS2; MIM 604766), and the genes are expressed in kidney podocytes, cells involved in ensuring size- and charge-selective ultrafiltration.

Alternative Names

KIRREL1; NEPH1; KIRREL; NPHS23; kin of IRRE-like protein 1; kin of IRRE like; kin of irregular chiasm-like protein 1; nephrin related; nephrin-like protein 1; Kirre like nephrin family adhesion molecule 1

Gene ID

[55243](#)

UniProt ID

[Q96J84](#)