

Product Information

MemDX™ Membrane Protein Human KIRREL3 (Kirre like nephrin family adhesion molecule

3) Expressed in NS0 for Antibody Discovery, Partial (29-535aa)

Cat. No.: **MPX0666K**

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

This product is a 56.1 kDa Human KIRREL3 membrane protein expressed in NS0. 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

KIRREL3

Protein Length

Partial (29-535aa)

Protein Class

Receptor

Molecular Weight

56.1 kDa

TMD

1

Sequence

LVLGYMAKDKFRRMNEGQVYSF
SQQPQDQVVVSGQPVTLLCAIPEYDGFVLWIKDGLALGVGRDLSSYPQYL
VVGNHLSGEHHLKILRAELQDDAVYECQAIQAAIRSRPARLTVLVPPDDP
VILGGPVISLRAGDPLNLTCHADNAKPAASIIWLRKGVEINGATYSKTLL
RDGKRESIVSTLFISPGDVENGQSIVCRATNKAIPGGKETSVTIDIQHPP
LVNLSVEPQPVLVDNVTTFHCSAKANPAVTQYRWAKRGQIIKEASGEVYR
TTVDYTYFSEPVSCEVTNALGSTNLSRTVDVYFGPRMTTEPQSLLVDLGS
DAIFSCAWTGNPSLTIVWMKRGSGVLSNEKTLTLKSVRQEDAGKYVCRA
VVPRVGAGEREVTLTVNGPPIISSTQTQHALHGEKGQIKCFIRSTPPPD
IAWSWKENVLESGTSGRYTVETISTEEGVISTLTISNIVRADFQTIYNCT
AWNSFGSDTEIIRLKEQGSEMKGAGLEAESVPMA

Product Description

Activity

Yes

Expression Systems

NS0

Tag

6xHis tag at the C-terminus

Protein Format

Soluble

Form

LYOPH

Reconstitution

Reconstitute at 100 µg/mL in sterile PBS.

Endotoxin

<0.10 EU per 1 µg of the protein by the LAL method.

Purity

>95%, by SDS-PAGE under reducing conditions and visualized by silver stain

Buffer

Lyophilized from a 0.2 µm filtered solution in PBS.

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

KIRREL3

Full Name

Kirre like nephrin family adhesion molecule 3

Introduction

The protein encoded by this gene is a member of the nephrin-like protein family. These proteins are expressed in fetal and adult brain, and also in podocytes of kidney glomeruli. The cytoplasmic domains of these proteins interact with the C-terminus of podocin, also expressed in the podocytes, cells involved in ensuring size- and charge-selective ultrafiltration. The protein encoded by this gene is a synaptic cell adhesion molecule with multiple extracellular immunoglobulin-like domains and a cytoplasmic PDZ domain-binding motif. Mutations in this gene are associated with several neurological and cognitive disorders. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Alternative Names

KIRREL3; MRD4; KIRRE; NEPH2; PRO4502; kin of IRRE-like protein 3; kin of IRRE like 3; kin of irregular chiasm-like protein 3; nephrin-like 2; nephrin-like protein 2; Kirre like nephrin family adhesion molecule 3

Gene ID

[84623](#)

UniProt ID

[Q8IZU9](#)