

# Product Information

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

### 3) Full Length

Cat. No.: **MPC3794K**

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

This product is a made-to-order Human KIRREL3 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

KIRREL3

#### Protein Length

Full length

#### Protein Class

Receptor

#### TMD

1

#### Sequence

MKPFQLDLLFVCFLLFSQELGLQKRGCCCLVLGYMAKDKFRMNQGVYSF  
SQQPDQVVVSGQPVTLLCAIPEYDGFVLWIKDGLALGVGRDLSSYPQYL  
VVG NHLSGEHLKILRAELQDDAVYECQAIQAAIRSRPARLTVLVPPDDP  
VILGGPVISLRAGDPLNLTCHADNAKPAASIIWLKGEVINGATYSKTL  
RDGKRESIVSTLFI SPGDVENGQSIVCRATNKAIPGGKETSVTIDIQHPP  
LVNLSVEPQPVEDNVVTFHCSAKANPAVTQYRWAKRGQIIKEASGEVYR  
TTVDYTYFSEPVSCVETNALGSTNLSRTVDVYFGPRMTTEPQSLLVDLGS  
DAIFSCAWTGNPSLTIVWMKRGSGVVL SNEKTLTLKSVRQEDAGKYVCRA  
VVPRVGAGEREVLTVNGPPIISSTQTQHALHGEKGQIKCFIRSTPPPD  
IAWSWKENVLESSTSGRYTVETISTEEGVISTLTISNIVRADFQTIYNCT  
AWNSFGSDTEIIRLKEQGSEMKSGAGLEAESVPM AVIIGVAVGAGVAFLV  
LMATIVAFCCARSQRNLKGVVSAKNDIRVEIVHKEPASGREGEHSTIKQ  
LMMDRGEFQQDSVLKQLEVLKEEEKEFQNLKDPTNGYYSVNTFKEHHSTP  
TISLSSCQPDLRPAGKQRVPTGMSFTNIYSTLSGQGRLYDYGQRFVLGMG  
SSSIELCEREFQRGSLSDSSSFLDTQCDSSVSSSGKQDGYVQFDKASKAS  
ASSSHHSQSSSQNSDPSRPLQRRMQTHV

### 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

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](#)