

Product Information

MemDX™ Membrane Protein Human KIRREL3 (Kirre like nephrin family adhesion molecule 3) for Antibody Discovery

Cat. No.: **MP0366J**

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

This product is a 85.1 kDa Human KIRREL3 membrane protein expressed in HEK293T. 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

Transmembrane

Molecular Weight

85.1 kDa

TMD

1

Sequence

MKPFQLDLLFVCFLLFSQELGLQKRGCCCLVLGYMAKDKFRMNEGQVYSFSQQPQDQVWVSGQPVTLLCA
IPEYDGFVLWIKDGLALGVGRDLSSYPQYLVVGNHLSGEHHLKILRAELQDDAVYECQAIQAAIRSRPAR
LTVLVPPDDPVILGGPVISLRAGDPLNLTCHADNAKPAASIIWLRKGEVINGATYSKTLRRDGKRESIVS
TLFISPGDVENGQSIVCRATNKAIPGGKETSVTIDIQHPPVLNLSVEPQPVLEDNVVTFHCSAKANPAVT
QYRWAKRGQIIKEASGEVYRTTVDYTYFSEPVSCVETNALGSTNLSRTVDVYFGPRMTTEPQSLLVDLGS
DAIFSCAWTGNPSLTIVWMKRGSGVLSNEKTLTKSVRQEDAGKYVCRAVVPRVGAGEREVTLLTVNGPP
IISSTQTQHALHGEKGQIKCFIRSTPPPDRIAWSWKENVLESGETSGRYTVETISTEEGVISTLTISNIVR
ADFQTIYNCTAWNSFGSDTEIIRLKEQGSEMKSAGLEAESVPMAVIIGVAVGAGVAFLVLMATIVAFCC
ARSQRNLKGVVSAKNDIRVEIVHKEPASGREGEEHSTIKQLMMDRGEFQQDSVLKQLEVLKEEEEKEFQNL
KDPTNGYYSVNTFKEHHSTPTISLSSCPDLRPAGKQRVPTGMSFTNIYSTLSGQGRLYDYGQRFVLMGMG
SSSIELCEREFQRGSLSDSSSFLDTQCDSVSSSGKQDGYVQFDKASKASASSSHHSQSSSQNSDPSRPL
QRRMQTHV

Product Description

Expression Systems

HEK293T

Tag

C-Myc/DDK

Form

Liquid

Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

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

KIRRE; MRD4; NEPH2; PRO4502; hTTY2

Gene ID

[84623](#)

UniProt ID

[Q8IZU9](#)