

Datasheet for ABIN7320809
KIRREL Protein (His tag)[Go to Product page](#)

1 Image

Overview

Quantity:	50 µg
Target:	KIRREL (NEPH1)
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KIRREL protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse KIRREL1/NEPH1 Protein (His Tag)
Sequence:	Leu48-Leu525
Characteristics:	Recombinant Mouse KIRREL1 is produced by our Mammalian expression system and the target gene encoding Leu48-Leu525 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	KIRREL (NEPH1)
Alternative Name:	KIRREL1/NEPH1 (NEPH1 Products)
Background:	Background: Kin of irregular chiasm-like protein 1(Kirrel1), also known as Nephrin-like protein 1(Neph1), belongs to the immunoglobulin superfamily. Kirrel1 plays a significant role in the normal development and function of the glomerular permeability. It is a signaling protein that

Target Details

needs the presence of TEC kinases to fully trans-activate the transcription factor AP-1. The knockout of this gene could result in perinatal lethality accompanied by proteinuria, and effacement of glomerular podocytes. Kirrel1 is abundantly expressed in kidney and specifically expressed in podocytes of kidney glomeruli. Its' subunit interacts with TJP1/ZO-1 and with NPHS2/podocin (via the C-terminus) and interacts with NPHS1/nephrin (via the Ig-like domains). This interaction is dependent on KIRREL glycosylation. Kirrel1 also interacts when tyrosine-phosphorylated with GRB2.

Synonym: Kin of IRRE-like protein 1, Kin of irregular chiasm-like protein 1, Nephrin-like protein 1, Kirrel1, Neph1

Molecular Weight:	53.4 kDa
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UniProt:	Q80W68
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Pathways:	Regulation of Actin Filament Polymerization
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Application Details

Restrictions:	For Research Use only
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Handling

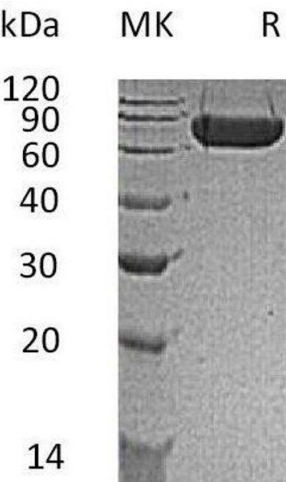
Format:	Lyophilized
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Reconstitution:	Please refer to the printed manual for detailed information.
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Buffer:	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
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Storage:	4 °C, -20 °C, -80 °C
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Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
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Western Blotting

Image 1.