

## Active Recombinant Human KIRREL Protein, His-tagged

Cat. No. KIRREL-719H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human KIRREL (NP_060710.3) (Met1-Leu493) was expressed with a polyhistidine tag at the C-terminus.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	1-493 a.a.
<b>Predicted N Terminal</b>	Gln 17
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4, 5% ~ 8% trehalose and mannitol.
<b>Bio-activity</b>	Measured by the ability of the immobilized protein to support the adhesion of MS1 mouse pancreatic islet endothelial cells. When cells are added to KIRREL coated plates (15 µg/mL, 100 µL/well), >20% will adhere specifically after 90 minutes at 37 °C.
<b>Molecular Mass</b>	The recombinant human KIRREL consists 488 amino acids and predicts a molecular mass of 53.5 kDa.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Purity</b>	>95 % as determined by SDS-PAGE.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -70°C.
<b>Storage</b>	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

<b>Gene Name</b>	KIRREL kin of IRRE like (Drosophila) [ Homo sapiens ]
<b>Official Symbol</b>	KIRREL
<b>Synonyms</b>	KIRREL; kin of IRRE like (Drosophila); kin of IRRE-like protein 1; NEPH1; nephrin like protein 1; nephrin related; nephrin-like protein 1; kin of irregular chiasm-like protein 1; FLJ10845; MGC129542; MGC129543;
<b>Gene ID</b>	55243
<b>mRNA Refseq</b>	NM_018240
<b>Protein Refseq</b>	NP_060710
<b>MIM</b>	607428
<b>UniProt ID</b>	Q96J84
<b>Chromosome Location</b>	1q21-q25

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



**Pathway**

Cell-Cell communication, organism-specific biosystem; Nephrin interactions, organism-specific biosystem; Nephrin/Neph1 signaling in the kidney podocyte, organism-specific biosystem;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA