

Active Recombinant Human KIRREL Protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant human KIRREL (NP_060710.3) (Met1-Leu493) was expressed with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-493 a.a.
Predicted N Terminal	Gln 17
Form	Lyophilized from sterile PBS, pH 7.4, 5% ~ 8% trehalose and mannitol.
Bio-activity	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.
Molecular Mass	The recombinant human KIRREL consists 488 amino acids and predicts a molecular mass of 53.5 kDa.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>95 % as determined by SDS-PAGE.

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	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.
Reconstitution	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

Gene Name	KIRREL kin of IRRE like (Drosophila) [Homo sapiens]
Official Symbol	KIRREL
Synonyms	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;
Gene ID	55243
mRNA Refseq	NM_018240
Protein Refseq	NP_060710
MIM	607428
UniProt ID	Q96J84
Chromosome Location	1q21-q25

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Pathway

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

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