

## Recombinant Rat Kirrel3 protein(Met1-Ala523), His-tagged

**Cat. No.** Kirrel3-8741R    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                  |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Rat KIRREL3 (Q09GS6) (Met1-Ala523) was expressed with a polyhistidine tag at the C-terminus.                                                                                                                                                         |
| <b>Species</b>          | Rat                                                                                                                                                                                                                                                              |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                           |
| <b>ProteinLength</b>    | 1-523 a.a.                                                                                                                                                                                                                                                       |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.                                                                                                                   |
| <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 rat KIRREL3 coated plates (15 µg/mL, 100 µL/well), > 20% will adhere specifically after 90 minutes at 37 °C. |
| <b>Molecular Mass</b>   | The recombinant rat KIRREL3 comprises 513 amino acids and predicts a molecular mass of 56.4 kDa. The apparent molecular mass of the recombinant protein is approximately 60-64 kDa in SDS-PAGE under reducing conditions due to glycosylation.                   |
| <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

**Storage**

Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°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 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

**GENE INFORMATION**
**Gene Name**

Kirrel3 kin of IRRE like 3 (Drosophila) [ *Rattus norvegicus* ]

**Official Symbol**

Kirrel3

**Synonyms**

KIRREL3; kin of IRRE like 3 (Drosophila); kin of IRRE-like protein 3;

**Gene ID**

315546

**mRNA Refseq**

NM\_001048215

**Protein Refseq**

NP\_001041680

 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