

## Active Recombinant Human KIRREL2 Protein, His-tagged

**Cat. No.** KIRREL2-782H    **Lot. No.** (See product label)

### SPECIFICATION

|                             |                                                                                                                                                                                                                                                                                              |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>     | Recombinant Human KIRREL2 (Accession # NP_115499) Gly21-Arg503, fused with a C-terminal 6-His tag, was produced in Mouse myeloma cell line, NS0-derived.                                                                                                                                     |
| <b>Species</b>              | Human                                                                                                                                                                                                                                                                                        |
| <b>Source</b>               | Mammalian Cells                                                                                                                                                                                                                                                                              |
| <b>ProteinLength</b>        | Gly21-Arg503                                                                                                                                                                                                                                                                                 |
| <b>Predicted N Terminal</b> | Gly21                                                                                                                                                                                                                                                                                        |
| <b>Form</b>                 | Lyophilized from a 0.2 µm filtered solution in PBS.                                                                                                                                                                                                                                          |
| <b>Bio-activity</b>         | Measured by the ability of the immobilized protein to support the adhesion of MS-1 mouse pancreatic islet endothelial cells. When $5 \times 10^4$ cells per well are added to rhKirrel2 coated plates (30 µg/mL, 100 µL/well) approximately 40 - 70 % will adhere after 90 minutes at 37 °C. |
| <b>Molecular Mass</b>       | Recombinant Human KIRREL2, His-tagged has a calculated MW of 51.7 kDa. In SDS-PAGE migrates as 62-66 kDa, reducing conditions.                                                                                                                                                               |
| <b>Purity</b>               | >95%, by SDS-PAGE under reducing conditions and visualized by silver stain.                                                                                                                                                                                                                  |
| <b>Storage</b>              | Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3                                                                                                                |

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months (-70°C).

## GENE INFORMATION

|                            |                                                                                                                                                                                                                                                           |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | KIRREL2 kin of IRRE like 2 (Drosophila) [ Homo sapiens ]                                                                                                                                                                                                  |
| <b>Official Symbol</b>     | KIRREL2                                                                                                                                                                                                                                                   |
| <b>Synonyms</b>            | KIRREL2; kin of IRRE like 2 (Drosophila); kin of IRRE-like protein 2; DKFZp564A1164; FILTRIN; MGC15718; NEPH3; NLG1; nephrin-like 3; nephrin-like gene 1; nephrin-like protein 3; kin of irregular chiasm-like 2; kin of irregular chiasm-like protein 2; |
| <b>Gene ID</b>             | 84063                                                                                                                                                                                                                                                     |
| <b>mRNA Refseq</b>         | NM_032123                                                                                                                                                                                                                                                 |
| <b>Protein Refseq</b>      | NP_115499                                                                                                                                                                                                                                                 |
| <b>MIM</b>                 | 607762                                                                                                                                                                                                                                                    |
| <b>UniProt ID</b>          | Q6UWL6                                                                                                                                                                                                                                                    |
| <b>Chromosome Location</b> | 19q13.13                                                                                                                                                                                                                                                  |

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