

# Recombinant Rat FOLR1 Protein, Fc-tagged

**Cat. No.** FOLR1-1146R    **Lot. No.** (See product label)

## SPECIFICATION

|                             |                                                                                                                                                           |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>     | Recombinant rat Folr1 (NP_598211.1) (Met1-Met231) was expressed with the Fc region of human IgG1 at the C-terminus.                                       |
| <b>Species</b>              | Rat                                                                                                                                                       |
| <b>Source</b>               | HEK293                                                                                                                                                    |
| <b>ProteinLength</b>        | 1-231 a.a.                                                                                                                                                |
| <b>Predicted N Terminal</b> | Thr 25                                                                                                                                                    |
| <b>Form</b>                 | Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.                                                                                       |
| <b>Molecular Mass</b>       | The recombinant rat Folr1 consists 445 amino acids and predicts a molecular mass of 50.9 kDa.                                                             |
| <b>Endotoxin</b>            | < 1.0 EU per µg of the protein as determined by the LAL method.                                                                                           |
| <b>Purity</b>               | >85 % as determined by SDS-PAGE.                                                                                                                          |
| <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. |

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**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**

|                        |                                                                                          |
|------------------------|------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | Folr1 folate receptor 1 (adult) [ Rattus norvegicus ]                                    |
| <b>Official Symbol</b> | FOLR1                                                                                    |
| <b>Synonyms</b>        | FOLR1; folate receptor 1 (adult); folate receptor alpha; folate binding protein 1; Fbp1; |
| <b>Gene ID</b>         | 171049                                                                                   |
| <b>mRNA Refseq</b>     | NM_133527                                                                                |
| <b>Protein Refseq</b>  | NP_598211                                                                                |
| <b>MIM</b>             |                                                                                          |
| <b>UniProt ID</b>      |                                                                                          |
| <b>Pathway</b>         | Endocytosis, organism-specific biosystem; Endocytosis, conserved biosystem;              |
| <b>Function</b>        | folic acid binding; folic acid transporter activity;                                     |

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