

Active Recombinant Mouse Folr1, His-tagged

Cat. No. Folr1-4045M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Mouse FOLR1 Protein (Mouse FOLR1, His Tag) Thr 25 - Ser 255 (Accession # NP_032060.2) was produced in human 293 cells (HEK293).
Species	Mouse
Source	HEK293
ProteinLength	25-255 a.a.
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4, 10% Trehalose.
Bio-activity	Measured in a competitive binding assay. When Folic Acid-Bovine Serum Albumin is immobilized at 5 µg/mL (100 µL/well), Mouse FOLR1, His Tag inhibits 50% binding of biotinylated rmFOLR1 (7.9 nM) at the concentration range of 10-100 nM.
Molecular Mass	Mouse FOLR1, His Tag is fused with a polyhistidine tag at the C-terminus, and has a calculated MW of 27.5 kDa. The predicted N-terminus is Thr 25. The reducing (R) protein migrates as 45-50 kDa in SDS-PAGE due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70 centigrade

 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

Storage Store it under sterile conditions at -20 centigrade to -80 centigrade. 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 [Folr1 folate receptor 1 \(adult\) \[Mus musculus \]](#)

Official Symbol [Folr1](#)

Synonyms FOLR1; folate receptor 1 (adult); folate receptor alpha; FR-alpha; folate binding protein 1; folate-binding protein 1; FBP1; Folbp1; Folbp-1;

Gene ID [14275](#)

mRNA Refseq [NM_001252552](#)

Protein Refseq [NP_001239481](#)

MIM

UniProt ID

Pathway Endocytosis, organism-specific biosystem; Endocytosis, conserved biosystem;

Function folic acid binding; folic acid transporter activity; receptor activity;

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