

# Human FOLR1 Protein; His Tag

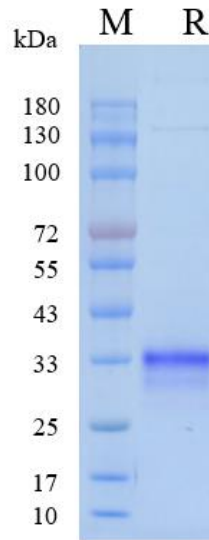
## Product Information

<b>Product Name</b>	Human FOLR1 Protein; His Tag
<b>Storage temp.</b>	Store at $\leq -70^{\circ}\text{C}$ , stable for 6 months after receipt. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
<b>Catalog# / Size</b>	<b>GM-84314RP-100 / 100 <math>\mu\text{g}</math></b> <b>GM-84314RP-1000 / 1 mg</b>

## Protein Information

<b>Alternative Names</b>	FOLR-1,FBP,FOLR,FR $\alpha$
<b>Source</b>	Human FOLR1 Protein; His Tag (GM-84314RP) is expressed from human 293 cells (HEK-293). It contains AA Arg25-Met233 (Accession # P15328-1). This protein carries a His tag at the C-terminus.
<b>Purity</b>	> 90% as determined by SDS-PAGE
<b>Endotoxin</b>	< 1 EU/ $\mu\text{g}$ , determined by LAL gel clotting assay
<b>Predicted Mol Mass</b>	22.6 KDa
<b>Formulation</b>	Supplied as a 0.2 $\mu\text{m}$ filtered solution of PBS, pH7.4.
<b>Description</b>	FOLR1 protein is the encoded protein of folate receptor alpha, which is expressed on the surface of human cells. This protein plays a crucial role in the uptake of folate and other B vitamins within the cell. FOLR1 protein regulates the entry of these vitamins into the cell by binding to folate and other similar substances. It plays an important role in cell proliferation, metabolism, and DNA synthesis, which is essential for maintaining cell function and growth. FOLR1 protein plays a significant role in many physiological processes, making research on its function and regulatory mechanisms of great importance.

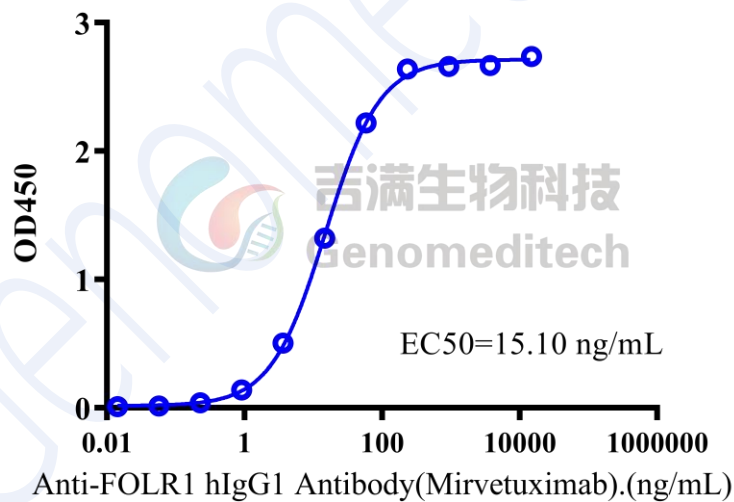
## SDS-PAGE



On SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.

## Bioactivity-ELISA

### Human FOLR1 Protein; His Tag, ELISA 0.1 $\mu\text{g}$ of Human FOLR1 Protein; His Tag per well



Human FOLR1 Protein; His Tag (Catalog # GM-84314RP) was immobilized at 1  $\mu\text{g}/\text{ml}$  (100  $\mu\text{L}/\text{well}$ ). Increasing concentrations of Anti-FOLR1 hIgG1 Antibody (Mirvetuximab) (Catalog # GM-27354AB) were added.