

Cynomolgus/Rhesus macaque FOLR1 Protein

Cat. No. FOL-CM1R1

Description

Source	Recombinant Cynomolgus/Rhesus macaque FOLR1 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Arg25-Met233.
Accession	AOA2K5U044/NP_001181576.1
Molecular Weight	The protein has a predicted MW of 25.6 kDa. Due to glycosylation, the protein migrates to 35-45 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

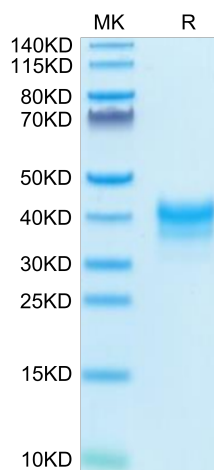
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 24 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Folate Receptor 1 (FOLR1), also known as Folate Receptor alpha and Folate Binding Protein (FBP), is a 37 - 42 kDa protein that mediates the cellular uptake of folic acid and reduced folates. Dietary folates are required for many key metabolic processes including nucleotide and methionine synthesis, the interconversion of glycine and serine, and histidine breakdown. FOLR1 binds to folate and reduced folic acid derivatives and mediates delivery of 5-methyltetrahydrofolate and folate analogs into the interior of cells. Has high affinity for folate and folic acid analogs at neutral pH.

Assay Data

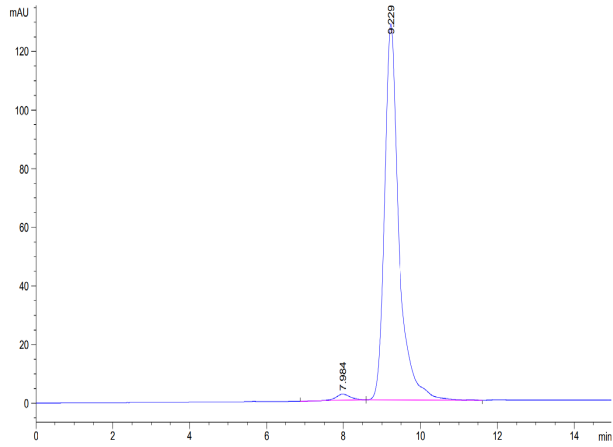
Bis-Tris PAGE



Cynomolgus/Rhesus macaque FOLR1 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Assay Data



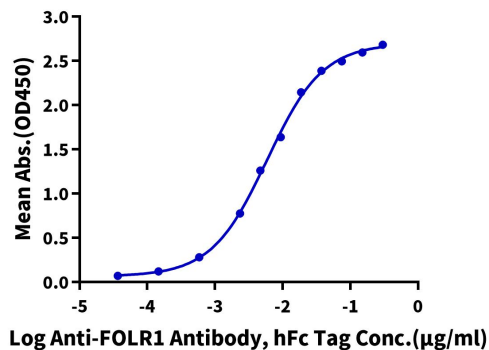
The purity of Cynomolgus/Rhesus macaque FOLR1 is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

Cynomolgus/Rhesus macaque FOLR1, His Tag ELISA

0.1µg Cynomolgus/Rhesus macaque FOLR1, His Tag Per Well



Immobilized Cynomolgus/Rhesus macaque FOLR1, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Anti-FOLR1 Antibody, hFc Tag with the EC50 of 5.9ng/ml determined by ELISA (QC Test).