

Datasheet for ABIN7274662

FOLR1 Protein (AA 25-233) (His tag)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	FOLR1
Protein Characteristics:	AA 25-233
Origin:	Rhesus Monkey, Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FOLR1 protein is labelled with His tag.

Product Details

Purpose:	Cynomolgus/Rhesus macaque FOLR1 Protein
Sequence:	Arg25-Met233
Characteristics:	Recombinant Cynomolgus/Rhesus macaque FOLR1 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Arg25-Met233.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Cynomolgus/Rhesus macaque FOLR1, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-FOLR1 Antibody, hFc Tag with the EC50 of 12.6ng/ml determined by ELISA. See testing image for detail.

Target Details

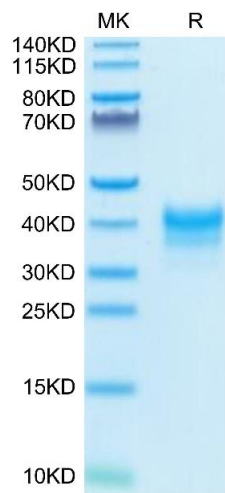
Target:	FOLR1
Alternative Name:	FOLR1 (FOLR1 Products)
Background:	<p>Folate Receptor 1 (FOLR1), also known as Folate Receptor alpha and Folate Binding Protein (FBP), is a 37 - 42 kDa protein that mediates the cellular uptake of folic acid and reduced folates. Dietary folates are required for many key metabolic processes including nucleotide and methionine synthesis, the interconversion of glycine and serine, and histidine breakdown.</p> <p>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 .</p>
Molecular Weight:	25.6 kDa. Due to glycosylation, the protein migrates to 35-45 kDa based on Tris-Bis PAGE result.
NCBI Accession:	NP_001181576
UniProt:	A0A2K5U044
Pathways:	Dicarboxylic Acid Transport

Application Details

Restrictions:	For Research Use only
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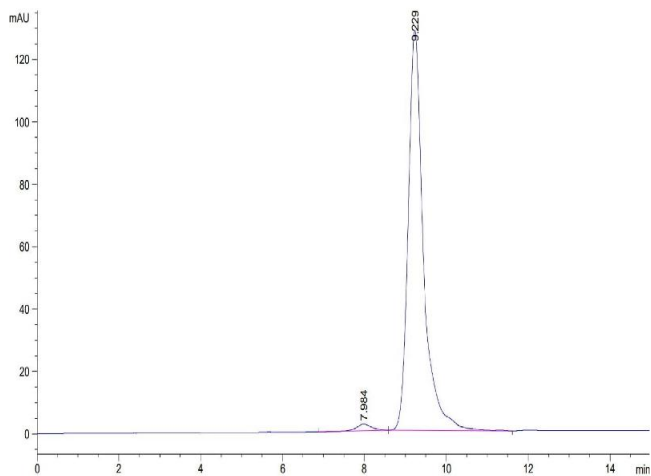
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



SDS-PAGE

Image 1. Cynomolgus/Rhesus macaque FOLR1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

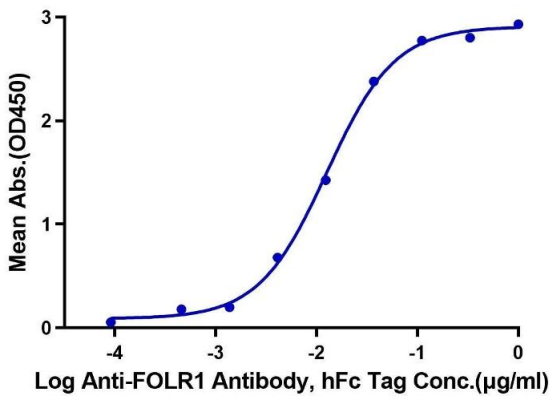


Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Cynomolgus/Rhesus macaque FOLR1 is greater than 95 % as determined by SEC-HPLC.

Cynomolgus/Rhesus macaque FOLR1, His Tag ELISA

0.05µg Cynomolgus/Rhesus macaque FOLR1, His Tag Per Well



ELISA

Image 3. Immobilized Cynomolgus/Rhesus macaque FOLR1, His Tag at 0.5 µg/mL (100 µL/well) on the plate. Dose response curve for Anti-FOLR1 Antibody, hFc Tag with the EC50 of 12.6 ng/mL determined by ELISA.