

Datasheet for ABIN7274668

FOLR1 Protein (His-Avi Tag,Biotin)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	FOLR1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FOLR1 protein is labelled with His-Avi Tag,Biotin.

Product Details

Sequence:	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 Biotinylated Human FOLR1, His at 0.2µg/ml (100µl/Well) on plate.Dose response curve for Anti-FOLR1 Antibody, hFc Tag with the EC50 of 16.7ng/ml determined by ELISA. See testing image for detail.

Target Details

Target:	FOLR1
Alternative Name:	FOLR1 (FOLR1 Products)
Background:	FOLR, FOLR1, FBP, Folbp1, KB cells FBP, MOv18,Folate Receptor 1 (FOLR1), also known as Folate Receptor alpha and Folate Binding Protein (FBP), is a 37 - 42 kDa protein that mediates

Target Details

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 .

Molecular Weight:	27.5 kDa. Due to glycosylation, the protein migrates to 40-50 kDa based on Tris-Bis PAGE result.
UniProt:	P15328
Pathways:	Dicarboxylic Acid Transport

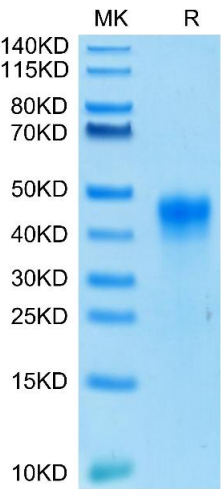
Application Details

Restrictions:	For Research Use only
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Handling

Format:	Liquid
Buffer:	Supplied as 0.22µm filtered solution in PBS (pH 7.4).
Storage:	-80 °C
Storage Comment:	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please do not repeated freeze-thaw cycles.
Expiry Date:	12 months

Images

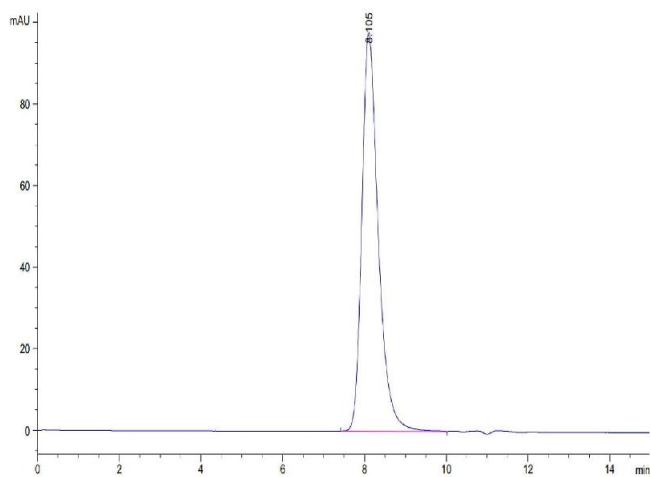


SDS-PAGE

Image 1. Biotinylated Human 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 Biotinylated Human FOLR1 is greater than 95 % as determined by SEC-HPLC.



Biotinylated Human FOLR1, His Tag ELISA
0.02µg Human FOLR1, His Tag Per Well

ELISA

Image 3. Immobilized Biotinylated Human FOLR1, His at 0.2 µg/mL (100 µL/Well) on plate.Dose response curve for Anti-FOLR1 Antibody, hFc Tag with the EC50 of 16.7 ng/mL determined by ELISA.

