

Human FOLR1 Protein

HA210193



Product name:	Human FOLR1 Protein
Species reactivity:	Human
Protein construction description:	Recombinant Human FOLR1 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.; It contains Arg25-Met233.
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.
Purity:	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Endotoxin:	Less than 1 EU per µg by the LAL method.
Source:	HEK293
Accession:	P15328
Predicted molecular mass:	The protein has a predicted MW of 27.5 kDa. Due to glycosylation, the protein migrates to 38-45 kDa based on Tris-Bis PAGE result
Formulation:	Lyophilized from 0.22 µm 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 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.

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Applications: WB=Western blot IHC-P=Immunohistochemistry (paraffin) IF-Cell=Immunofluorescence (Cell) IF-Tissue=Immunofluorescence (Tissue) FC=Flow cytometry IP=Immunoprecipitation

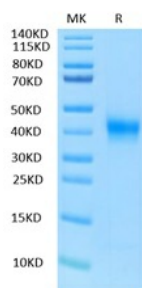


Fig1: Recombinant Human FOLR1 Protein on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

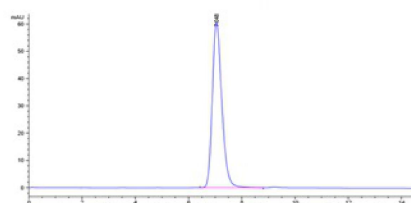


Fig2: The purity of Recombinant Human FOLR1 Protein is greater than 95% as determined by SEC-HPLC

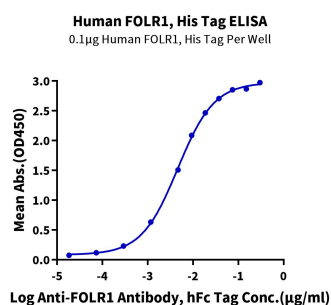


Fig3: Immobilized Human FOLR1, His Tag at 1 µg/ml (100 µl/Well) on plate. Dose response curve for Anti-FOLR1 Antibody, hFc Tag with the EC₅₀ of 4.6 ng/ml determined by ELISA.

Note: All products are “FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE”.

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