Biotinylated Mouse FOLR1 Protein

Cat. No. FOL-MM4R1B

Description

Source	Recombinant Biotinylated Mouse FOLR1 Protein is expressed from HEK293 with His tag and Avi tag at the C-terminus.
	It contains Thr25-Ser232.
Accession	P35846
Molecular Weight	The protein has a predicted MW of 27.17 kDa. Due to glycosylation, the protein migrates to 35-50 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage

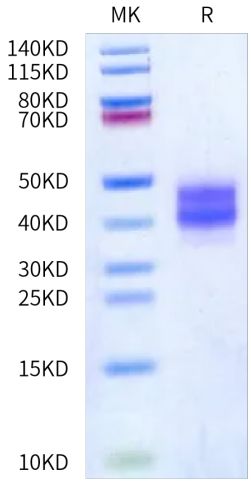
Formulation	Supplied as 0.22 μm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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



Biotinylated Mouse FOLR1 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

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