Datasheet for ABIN5674653

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
Biological Activity:	Active
Purification tag / Conjugate:	This FOLR1 protein is labelled with His tag.

Product Details

Sequence:	AA 25-233
Characteristics:	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 26.4 kDa. The protein migrates as 35-41 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Purity:	>90 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	FOLR1
Alternative Name:	FOLR1 (FOLR1 Products)

Target Details

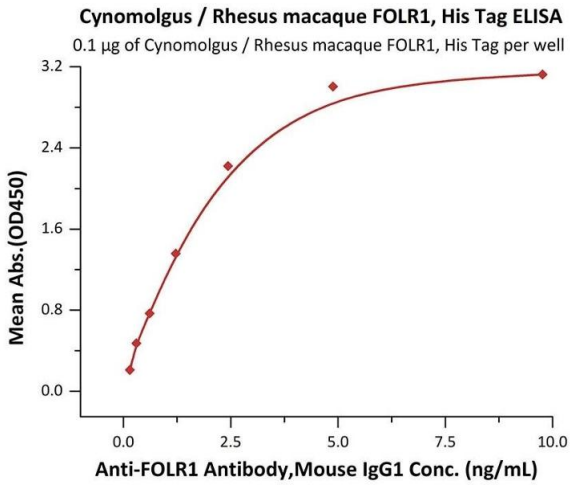
Background:	Folate Receptor 1 (FOLR1) is also known as Folate receptor alpha, Folate Binding Protein (FBP), FOLR, and is a member of the folate receptor (FOLR) family. Members of this gene family have a high affinity for folic acid and for several reduced folic acid derivatives, and mediate delivery of 5-methyltetrahydrofolate to the interior of cells. Mature FOLR1 is an N-glycosylated protein that is anchored to the cell surface by a GPI linkage. FOLR1 is predominantly expressed on epithelial cells and is dramatically upregulated on many carcinomas. FOLR1 is internalized to the endosomal system where it dissociates from its ligand before recycling to the cell surface. A soluble form of FOLR1 can be proteolytically shed from the cell surface into the serum and breast milk. Defects in FOLR1 are the cause of neurodegeneration due to cerebral folate transport deficiency (NCFTD). NCFTD is an autosomal recessive disorder resulting from brain-specific folate deficiency early in life.
Molecular Weight:	26.4 kDa
NCBI Accession:	NP_001181576
Pathways:	Dicarboxylic Acid Transport

Application Details

Restrictions:	For Research Use only

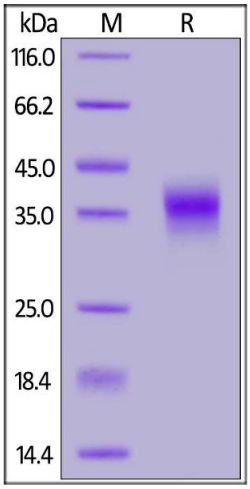
Handling

Format:	Lyophilized
Buffer:	Tris and Glycine, pH 7.5
Handling Advice:	Please avoid repeated freeze-thaw cycles.
Storage:	-20 °C



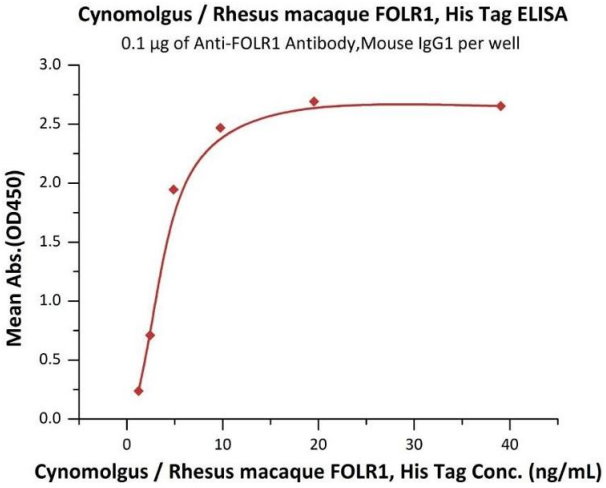
ELISA

Image 1. Immobilized Cynomolgus / Rhesus macaque FOLR1, His Tag (ABIN5674653,ABIN6386457) at 1 μg/mL (100 μL/well) can bind A Antibody,Mouse IgG1 with a linear range of 0.1-2 ng/mL (QC tested).



SDS-PAGE

Image 2. Cynomolgus / Rhesus macaque FOLR1, His Tag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90 % .



ELISA

Image 3. Immobilized A Antibody,Mouse IgG1 at 1 μg/mL (100 μL/well) can bind Cynomolgus / Rhesus macaque FOLR1, His Tag (ABIN5674653,ABIN6386457) with a linear range of 1-5 ng/mL (Routinely tested).