

**Human CellExp FOLR1, human recombinant protein**  
**FOLR1, FBP, FOLR, FOLR-1, Folate-receptor-alpha**  
**Catalog # PBV11077r****Specification**

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**Human CellExp FOLR1, human recombinant protein - Product info**Primary Accession  
Calculated MW[P15328](#)

This protein is fused with 6×his tag at the C-terminus and has a calculated MW of 25.4 kDa expressed. The predicted N-terminus is Arg 25. Protein migrates as 33-37 kDa in reduced SDS-PAGE resulting from glycosylation. KDa

**Human CellExp FOLR1, human recombinant protein - Additional Info**Gene ID  
Gene Symbol2348  
FOLR1**Other Names**

FOLR1, FBP, FOLR, FOLR-1, Folate-receptor-alpha

Gene Source  
Source  
Assay&Purity  
Assay2&Purity2  
Recombinant  
Results

Human  
HEK293 cells  
SDS-PAGE; ≥95%  
N/A;  
Yes  
Measured by its binding ability in a functional ELISA. When Folic Acid Bovine Serum Albumin is coated at 5 µg/ml (100 µl/well), the concentration of rhFOLR1 that produces 50% of the optimal binding response is found to be approximately 0.35-1.8 nM.

**Target/Specificity**  
FOLR1**Application Notes**

Centrifuge the vial prior to opening. Reconstitute in sterile PBS, pH 7.4 to a concentration of 50 µg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 month. For extended storage, it is recommended to store at -20°C.

**Format**  
Lyophilized**Storage**

-20°C; Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally Mannitol or Trehalose is added as protectants before lyophilization.

## **Human CellExp FOLR1, human recombinant protein - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## **Human CellExp FOLR1, human recombinant protein - Images**

## **Human CellExp FOLR1, human recombinant protein - Background**

Folate Receptor 1 (FOLR1) 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.

## **Human CellExp FOLR1, human recombinant protein - References**

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