

# Recombinant human FOLR1 protein

Catalog Number: ATGP2938

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

25-234aa

### UniProt No.

P15328

### NCBI Accession No.

NP\_057936

### Alternative Names

Folate receptor alpha, FBP, FOLR

## PRODUCT SPECIFICATION

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### Molecular Weight

27 kDa (233aa)

### Concentration

0.5mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

### Purity

> 85% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE, Denatured

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

FOLR1 is a member of the folate receptor family. Members of this gene family bind folic acid and its reduced derivatives, and transport 5-methyltetrahydrofolate into cells. This protein is a secreted protein that either anchors to membranes via a glycosyl-phosphatidylinositol linkage or exists in a soluble form. Mutations in this gene have been associated with neurodegeneration due to cerebral folate transport deficiency. Due to the presence of two promoters, multiple transcription start sites, and alternative splicing, multiple transcript variants encoding the same protein have been found for this gene. Recombinant human FOLR1 protein, fused to His-tag

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at N-terminus, was expressed in E. coli.

## Amino acid Sequence

MGSSHHHHHHH SGLVPRGSH MGSRIAWART ELLNVCMNAK HHKEKPGPED KLHEQCRPWR KNACCSTNTS  
QEAHKDVSYL YRFNWNHCGE MAPACKRHFQ QDTCLYECSP NLGPWIIQQVD QSWRKERVLN VPLCKEDCEQ  
WWEDCRTSYT CKSNWHKGNW WTSGFNKCAV GAACQPFHFY FPTPTVLCNE IWTHSYKVSQ YSRGSGRCIQ  
MWFDPAQGNP NEEVARFYAA AMS

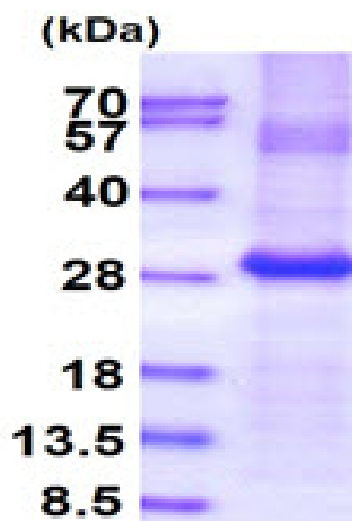
## General References

Lacey S.W., et al. (1989) J. Clin. Invest. 84:715-720.

Orr R.B., et al. (1994) Cancer Res. 54:3905-3911.

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

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15% SDS-PAGE (3ug)