

Human CellExp FOLR2, human recombinant protein
FOLR2, FOLR-2, BETA-HFR, FBP/PL-1, FR-BETA, FR-P3, Folate-receptor-beta.
Catalog # PBV11092r

Specification

Human CellExp FOLR2, human recombinant protein - Product info

Primary Accession
Calculated MW

[P14207](#)

This protein is fused with 6×his tag at the C-terminus and has a calculated MW of 26 kDa expressed. The predicted N-terminus is Thr17. Protein migrates as 30-33 kDa in reduced SDS-PAGE resulting from glycosylation. KDa

Human CellExp FOLR2, human recombinant protein - Additional Info

Gene ID
Gene Symbol

2350
FOLR2

Other Names

FOLR2, FOLR-2, BETA-HFR, FBP/PL-1, FR-BETA, FR-P3, Folate-receptor-beta.

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 was coated at 5 µg/ml (100 µl/well), the concentration of rhFOLR2 that produces 50% of the optimal binding response was found to be approximately 0.15-1.1 nM.

Target/Specificity
FOLR2

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 FOLR2, 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 FOLR2, human recombinant protein - Images

Human CellExp FOLR2, human recombinant protein - Background

Folate receptor beta, also known as Folate receptor 2, FBP, FOLR2, BETA-HFR, FBP/PL-1, FR-BETA, FR-P3, and is a member of the folate receptor (FOLR) family which mediates delivery of 5-methyltetrahydrofolate to the interior of cells. This protein has a 68% and 79% sequence homology with the FOLR1 and FOLR3 proteins, respectively. The FOLR2 protein was originally thought to exist only in placenta, but is also detected in spleen, bone marrow, and thymus. FOLR2 is predominantly expressed in placenta, cells of the neutrophilic lineage, and some CD34+ hematopoietic progenitor cells. It is upregulated on myeloid leukemias, head and neck squamous cell carcinomas, and several nonepithelial cancers. It is also upregulated on macrophages and monocytes at chronic inflammatory sites including rheumatoid arthritis synovium and glioblastoma. FOLR2 is a marker for macrophages generated in the presence of M-CSF, but not GM-CSF. Its expression correlates with increased folate uptake ability. Folate conjugates of therapeutic drugs are a potential immunotherapy tool to target tumor-associated macrophages.

Human CellExp FOLR2, human recombinant protein - References

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