

Human CellExp FABP2 /I-FABP, human recombinant protein
FABP2, FABPI, I-FABP
Catalog # PBV11095r**Specification**

Human CellExp FABP2 /I-FABP, human recombinant protein - Product infoPrimary Accession
Calculated MW[P12104](#)

This protein is fused with 6×His tag at the N-terminus, has a calculated MW of 16 kDa. The predicted N-terminus is Ala 2. DTT-reduced Protein migrates as 16 kDa. KDa

Human CellExp FABP2 /I-FABP, human recombinant protein - Additional InfoGene ID
Gene Symbol
Other Names
FABP2, FABPI, I-FABP2169
FABP2Gene Source
Source
Assay&Purity
Assay2&Purity2
Recombinant
Results

Human
HEK293 cells
SDS-PAGE; ≥98%
N/A;
Yes
The binding affinity of Recombinant Human FABP2/I-FABP for the synthetic ligand cis-parinaric acid has been measured by fluorescence titration. Half-maximal fluorescence of 3 µM Recombinant Human FABP2/I-FABP is achieved with approximately 3 µM cis-paranaric acid.

Target/Specificity
FABP2 /I-FABP**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 FABP2 /I-FABP, 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 FABP2 /I-FABP, human recombinant protein - Images

Human CellExp FABP2 /I-FABP, human recombinant protein - Background

Fatty acid-binding protein 2 (FABP2), is also known as Fatty acid-binding protein, intestinal (FABPI), Intestinal-type fatty acid-binding protein (I-FABP). FABP2 belongs to the calycin superfamily and Fatty-acid binding protein (FABP) family. FABP2 / FABPI is expressed in the small intestine and at much lower levels in the large intestine and is highest expressed in the jejunum. FABP are thought to play a role in the intracellular transport of long-chain fatty acids and their acyl-CoA esters. FABP2 is probably involved in triglyceride-rich lipoprotein synthesis. FABP2 binds saturated long-chain fatty acids with a high affinity, but binds with a lower affinity to unsaturated long-chain fatty acids. FABP2 may also help maintain energy homeostasis by functioning as a lipid sensor.

Human CellExp FABP2 /I-FABP, human recombinant protein - References

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