10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Human CellExp FABP-3, human recombinant protein

FABP3, H-FABP, FABP11, MDGI, M-FABP, hFABP, O-FABP
Catalog # PBV10864r

Specification

Human CellExp FABP-3, human recombinant protein - Product info

Primary Accession	P05413
Calculated MW	**The protein is fused with 6×His tag at the C-terminus, has a calculated MW of 15.7 kDa. The predicted N-terminus is Met 1. DTT-reduced Protein migrates as 16 kDa. KDa**

Human CellExp FABP-3, human recombinant protein - Additional Info

Gene ID	**2170**
Gene Symbol	**FABP3**

Other Names
FABP3, H-FABP, FABP11, MDGI, M-FABP, hFABP, O-FABP

Gene Source	**Human**
Source	**HEK 293 cells**
Assay&Purity	**SDS-PAGE; ≥92%**
Assay2&Purity2	**HPLC;**
Recombinant	**Yes**

Target/Specificity
FABP3

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 powder

Storage
-20°C; Lyophilized from 0.22 µm filtered solution in PBS. Generally 5-8% Mannitol or trehalose is added as a protectant before lyophilization.

Human CellExp FABP-3, 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 Cytomety
- Cell Culture

Human CellExp FABP-3, human recombinant protein - Images

Human CellExp FABP-3, human recombinant protein - Background

Fatty acid-binding protein 3 (FABP3) also known as Heart-type fatty acid binding protein (H-FABP), Mammary-derived growth inhibitor (MDGI), Muscle fatty acid-binding protein (M-FABP), FABP11, which belongs to the calycin superfamily and fatty-acid binding protein (FABP) family. FABP are thought to play a role in the intracellular transport of long-chain fatty acids and their acyl-CoA esters. H-FABP / FABP3 is involved in active fatty acid metabolism where it transports fatty acids from the cell membrane to mitochondria for oxidation. FABP3 may also contribute to AS160 phosphorylation by maintaining insulin-dependent Akt activation in the cells under a lipotoxic condition.

Human CellExp FABP-3, human recombinant protein - References

Peeter R.A.,et al.Biochem. J. 276:203-207(1991).
Hu Y.F.,et al.Submitted (MAR-1997) to the EMBL/GenBank/DDBJ databases.
Wu X.,et al.Submitted (NOV-1994) to the EMBL/GenBank/DDBJ databases.
Kalnine N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).