

Recombinant Human BLBP/FABP7 Protein

Catalog No. PKSH030813

Note: Centrifuge before opening to ensure complete recovery of vial contents.

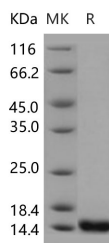
Description

| | |
|------------------------------------|---|
| Synonyms | Fatty Acid-Binding Protein Brain;Brain Lipid-Binding Protein;BLBP;Brain-Type Fatty Acid-Binding Protein;B-FABP;Fatty Acid-Binding Protein 7;Mammary-Derived Growth Inhibitor Related;FABP7;BLBP;FABPB;MRG |
| Species | Human |
| Expression Host | E.coli |
| Sequence | Met 1-Ala132 |
| Accession | O15540 |
| Calculated Molecular Weight | 14.9 kDa |
| Observed molecular weight | 16 kDa |
| Tag | None |
| Bioactivity | Not validated for activity |

Properties

| | |
|-----------------------|---|
| Purity | > 95 % as determined by reducing SDS-PAGE. |
| Endotoxin | Please contact us for more information. |
| Storage | Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. |
| Shipping | This product is provided as lyophilized powder which is shipped with ice packs. |
| Formulation | Lyophilized from sterile PBS, pH 7.4 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual. |
| Reconstitution | Please refer to the printed manual for detailed information. |

Data



> 95 % as determined by reducing SDS-PAGE.

Background

For Research Use Only

BLBP; also known as FABP7; is a brain fatty acid binding protein. Fatty acid binding proteins (FABPs) are a family of small; highly conserved; cytoplasmic proteins that bind long-chain fatty acids and other hydrophobic ligands. FABP7 binds DHA with the highest affinity among all of the FABPs. FABPs may play roles in fatty acid uptake; transport; and metabolism. BLBP is expressed; during development; in radial glia by the activation of notch receptors. It was shown that reelin induces FABP7 expression in neural progenitor cells via notch-1 activation. BLBP variation is linked to weak prepulse inhibition(PPI) in mice and deficit in PPI is an endophenotypic trait observed in schizophrenia patients and their relatives.