# Recombinant Human BLBP/FABP7 Protein

**Catalog Number: PKSH030813**

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

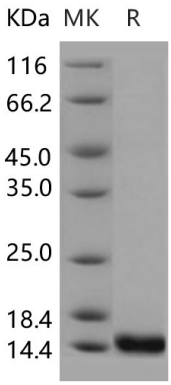
## Description

| | |
|---|---|
| **Species** | Human |
| **Source** | E.coli-derived Human BLBP/FABP7 protein Met 1-Ala132 |
| **Calculated MW** | 14.9 kDa |
| **Observed MW** | 16 kDa |
| **Accession** | O15540 |
| **Bio-activity** | 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<br>Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.<br>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

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.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