

## Recombinant Human BLBP/FABP7 Protein (His Tag)

Catalog No. PKSH032415

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

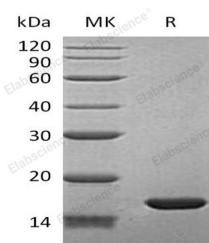
### Description

<b>Synonyms</b>	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
<b>Species</b>	Human
<b>Expression Host</b>	E.coli
<b>Sequence</b>	Val2-Ala132
<b>Accession</b>	O15540
<b>Calculated Molecular Weight</b>	17.05 kDa
<b>Observed molecular weight</b>	16 kDa
<b>Tag</b>	N-His
<b>Bioactivity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	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.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 10% Trehalose, 100mM NaCl, 0.05% Tween 80, pH 7.5. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

### Data



> 95 % as determined by reducing SDS-PAGE.

### For Research Use Only

## Background

Fatty Acid-Binding Protein 7 (FABP7) is a cytoplasm protein that belongs to the Fatty-acid Binding Protein (FABP) family of calycin superfamily. Fatty acid binding proteins are a family of small; highly conserved; cytoplasmic proteins that bind long-chain fatty acids. FABP7 is predominately expressed in brain and neural tissues. FABP7 is involved in fatty acid uptake and intracellular transport and is important in brain development. FABP7 plays a critical role in the transport of a so far unknown hydrophobic ligand with potential morphogenic activity during CNS development. FABP7 is required for the establishment of the radial glial fiber system in developing brain; a system that is necessary for the migration of immature neurons to establish cortical layers.