



Recombinant Protein Technical Manual

Recombinant Human BLBP/FABP7 Protein (His Tag)

RPES3504

Product Data:

Product SKU: RPES3504

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: O15540

Protein Information:

Molecular Mass: 17.1 kDa

AP Molecular Mass: 16 kDa

Tag: N-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: 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 a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

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

Immunogen Information:

Sequence: Val2-Ala132

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.