Recombinant Human BLBP/FABP7 Protein (His Tag)

Catalog Number:PKSH032415

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

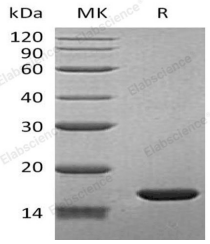
Description

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	Val2-Ala132
Accession	O15540
Calculated Molecular Weight	17.05 kDa
Observed molecular weight	16 kDa
Tag	N-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
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 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% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

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

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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.

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017

Web: www.elabscience.com Email: techsupport@elabscience.com