

Product Name: Recombinant Human FABP7 (N-6His)
Catalog #: PEH0156

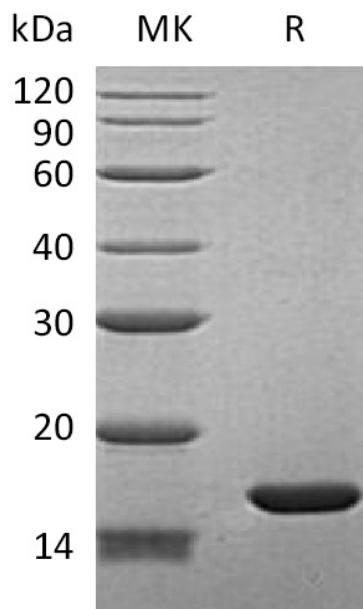


Summary

Name	BLBP/Brain Lipid-Binding Protein
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Fatty Acid-Binding Protein 7 is produced by our E.coli expression system and the target gene encoding Val2-Ala132 is expressed with a 6His tag at the N-terminus.
Accession #	O15540
Host	E.coli
Species	Human
Predicted Molecular Mass	17.05 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM PB, 10% Trehalose, 100mM NaCl, 0.05% Tween 80, pH 7.5.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image

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Alternative Names

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

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.

Note

For Research Use Only , Not for Diagnostic Use.