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Datasheet for ABIN1096615
FABP7 Protein (AA 2-132) (His tag)

Overview

Quantity:	50 µg
Target:	FABP7
Protein Characteristics:	AA 2-132
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This FABP7 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Fatty Acid-Binding Protein 7/FABP7/B-FABP (N-6His)
Sequence:	MGSSHHHHHH SSSLVPRGSH MVEAFCATWK LTNSQNFDEY MKALGVGFAT RQVGNVTKPT VIISQEGDKV VIRTLSTFKN TEISFQLGEE FDETTADDRN CKSVVSLDGD KLVHIQKWDG KETNFVREIK DGKMVMTLTF GDVVAVRHYE KA
Characteristics:	Recombinant Human Fatty Acid-Binding Protein 7/FABP7 is produced with our E. coli expression system. The target protein is expressed with sequence (Val2-Ala132) of Human FABP7.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	FABP7
Alternative Name:	fabp7 (FABP7 Products)
Background:	<p>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.</p> <p>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</p>
Molecular Weight:	17.05 kDa
UniProt:	O15540

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	<p>Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>

Handling

Expiry Date: 3 months