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Datasheet for ABIN7318461 **FABP7 Protein (His tag)**

Overview

Quantity:	50 µg
Target:	FABP7
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 BLBP/FABP7 Protein (His Tag)
Sequence:	Val2-Ala132
Characteristics:	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.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	FABP7
Alternative Name:	BLBP/FABP7 (FABP7 Products)
Background:	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.

Target Details

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.

Synonym: 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

Molecular Weight:	17.1 kDa
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UniProt:	O15540
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Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
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Reconstitution:	Please refer to the printed manual for detailed information.
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Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
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Storage:	4 °C,-20 °C,-80 °C
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Storage Comment:	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.
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