Datasheet for ABIN7317358

FABP7 Protein

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Overview

Quantity:	100 µg
Target:	FABP7
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Human BLBP/FABP7 Protein
Sequence:	Met 1-Ala132
Characteristics:	A DNA sequence encoding the mature form of human FABP7 (O15540) (Met1-Ala132) was expressed.
Purity:	> 95 % as determined by reducing SDS-PAGE.

Target Details

Target:	FABP7
Alternative Name:	BLBP/FABP7 (FABP7 Products)
Background:	Background: BLBP, also known as FABP7, is a brain fatty acid binding protein. Fatty acid binding proteins (FABPs) are a family of small, highly conserved, cytoplasmic proteins that bind long-chain fatty acids and other hydrophobic ligands. FABP7 binds DHA with the highest affinity among all of the FABPs. FABPs may play roles in fatty acid uptake, transport, and metabolism. BLBP is expressed, during development, in radial glia by the activation of notch receptors. It

Target Details

	was shown that reelin induces FABP7 expression in neural progenitor cells via notch-1 activation. BLBP variation is linked to weak prepulse inhibition(PPI) in mice and deficit in PPI is an endophenotypic trait observed in schizophrenia patients and their relatives. 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:	14.9 kDa
UniProt:	O15540

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C,-20 °C,-80 °C
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.