
Product Data Sheet

Product Name: FABP7 Human, His
Cat. No.: GP23459
Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	MRG; BLBP; FABPB; B-FABP; DKFZp547J2313; Fatty acid-binding protein brain; Fatty acid-binding protein 7; Brain lipid-binding protein; Mammary-derived growth inhibitor related; FABP7.		
Formulation	The FABP7 protein solution contains 20mM Tris-HCl pH-8 and 50% Glycerol.		

Introduction

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. FABPs are involved in fatty acid uptake, transport, and metabolism. FABP7 is expressed in radial glia by the activation of Notch receptors and binds DHA with the highest affinity among all of FABPs. FABP7 plays an important role in transport of 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 (by similarity).

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Avoid multiple freeze-thaw cycles.

Background

FABP7 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 132 amino acids and having a molecular mass of 19.39kDa. FABP7 is fused to His-Tag at N-terminus and purified by standard chromatography techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

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