



Product Datasheet

Product Name	Fatty Acid Binding Protein-7 Human Recombinant
Cata No	CB501485
Source	<i>Escherichia Coli</i> .
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.

Description

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). FABP7 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 132 amino acids and having a molecular mass of 14 kDa.

Physical Appearance

Sterile Filtered colorless solution.

Purity

Greater than 95.0% as determined by:

- (a) Analysis by RP-HPLC.
- (b) Analysis by SDS-PAGE.

Formulation

The FABP7 protein solution contains 25mM Tris-HCl pH7.5, 2mM EDTA and 10% Glycerol.

Stability

FABP7 although stable 4°C for 4 weeks, should be stored desiccated below -18°C.

For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

Please prevent freeze-thaw cycles.

Sequence

MVEAFCATWK LTNSQNFDEY MKALGVGFAT
RQVGNVTKPT VIISQEGDKV VIRTLSSTFKN
TEISFQLGEE FDETTADDRN CKSVVSLDGD
KLVHIQKWDG KETNFVREIK DGKMMVMTLTF
GDVVAVRHYE KA.

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