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32-3800: FABP7 Recombinant Protein

Alternative Name :	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

Source : Escherichia Coli. 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. 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 are inovlved 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).

Product Info

Amount :	25 µg
Purification :	Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Content :	The FABP7 protein solution contains 25mM Tris-HCl pH7.5, 2mM EDTA and 10% Glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks.Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MVEAFCATWK LTNSQNFDEY MKALGVGFAT RQVGNVTKPT VIISQEGDKV VIRTLSTFKN TEISFQLGEE FDETTADDRN CKSVVSLDGD KLVHIQKWDG KETNFVREIK DGKMVMTLTF GDVVAVRHYE KA.

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