

Recombinant Human Fatty Acid Binding Protein-7, His-tagged

Cat. No. FABP7-4349H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	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.
Species	Human
Source	Human
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).
Form	The FABP7 protein solution contains 20mM Tris-HCl pH-8 and 50% Glycerol.
Purity	Greater than 95% as determined by SDS-PAGE.
Physical Appearance	Sterile Filtered colorless liquid formulation.

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Storage 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.

Functions lipid binding; transporter activity

GENE INFORMATION

Gene Name [FABP7 fatty acid binding protein 7, brain \[Homo sapiens \]](#)

Official Symbol FABP7

Synonyms FABP7; fatty acid binding protein 7, brain; B-FABP; BLBP; DKFZp547J2313; FABPB; MRG; Brain lipid-binding protein; Fatty acid-binding protein 7; Mammary-derived growth inhibitor related; brain lipid binding protein; fatty acid binding protein 7, brain; mammary-derived growth inhibitor-related; OTTHUMP00000017118

Gene ID [2173](#)

mRNA Refseq [NM_001446](#)

Protein Refseq [NP_001437](#)

MIM [602965](#)

UniProt ID [O15540](#)

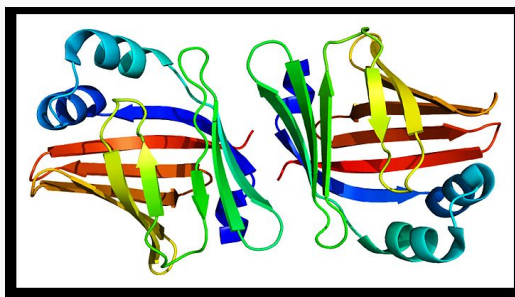
Chromosome Location 6q22-q23

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PDB rendering based
on 1fdq.



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