

Recombinant Human FABP7 protein, His-tagged

Cat. No. FABP7-370H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FABP7 protein (Val2-Ala132), fused to His tag at N-terminus, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	131
Description	Fatty acid-binding protein 7 (FABP7) is also known as Brain-type fatty acid-binding protein (B-FABP), Brain lipid-binding protein (BLBP), Fatty acid-binding protein, brain (FABPB), Mammary-derived growth inhibitor related (MRG). FABP7/BLBP/ B-FABP belongs to the calycin superfamily and Fatty-acid binding protein (FABP) family. FABP7 is expressed in brain and other neural tissues. FABP7/ B-FABP could be involved in the transport of a so far unknown hydrophobic ligand with potential morphogenic activity during CNS development. It 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.
Form	Lyophilized from 0.22 um filtered solution in PBS, pH7.4, 10% trehalose.
Molecular Mass	The protein has a calculated MW of 15.7 kDa. The protein migrates as 16 kDa under reducing (R) condition (SDS-PAGE).
Endotoxin	Less than 1.0 EU per ug by the LAL method.

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Purity	>92% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20 centigrade to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
GENE INFORMATION	
Gene Name	FABP7
Official Symbol	FABP7
Synonyms	FABP7; fatty acid binding protein 7, brain; fatty acid-binding protein, brain; B FABP; BLBP; brain lipid binding protein; brain lipid-binding protein; fatty acid-binding protein 7; brain-type fatty acid-binding protein; mammary-derived growth inhibitor related; mammary-derived growth inhibitor-related; MRG; FABPB; B-FABP; DKFZp547J2313
Gene ID	2173
mRNA Refseq	NM_001446
Protein Refseq	NP_001437
MIM	602965

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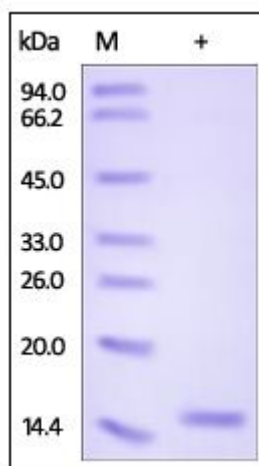
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UniProt ID

O15540

SDS-PAGE of
FABP7-370H



Human FABP7, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 92%.

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