

Recombinant Human FABP7 protein, His-tagged

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

SPECIFICATION

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| 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 | <p>For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower.</p> <p>Please avoid repeated freeze-thaw cycles.</p> <p>This product is stable after storage at:</p> <p>-20 centigrade to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.</p> |
| 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 |

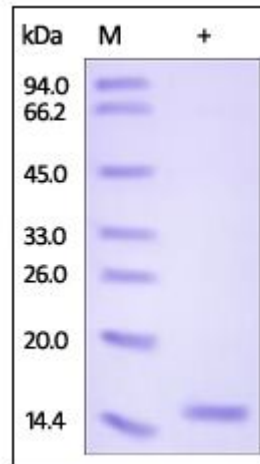
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UniProt ID

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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