

Recombinant Human FABP7 protein, GFP-tagged

Cat. No. FABP7-256H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FABP7 fused with GFP tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	The protein encoded by this gene 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 thought to play roles in fatty acid uptake, transport, and metabolism.
Form	50mM Tris-HCl, pH 8.0, 200mM NaCl, 5% Trehalose.
Molecular Mass	(Theoretical molecular weight)~44kDa
AA Sequence	MSKGEELFTGVVPILVELDGDVNGHKFSVSGEGEGDATYGKLTCLKFICTTGKLPVPW PTLVTTFSYGVQCFSRYPDHMKQHDFFKSAMPEGYVQERTIFYKDDGNYKSRAEV KFEGDTLVNRIELKGIDFKEDGNILGHKMEYNYNSHNVYIMADKQKNGIKVNFKIRHN IEDGSVQLADHYQQNTPIGDGPVLLPDNHYLSTQSALS KDPNEKRDMILLEFVT AA GITHGMDELYKGGGGSVEAFCATWKL TNSQNFDEYMKALGVGFATRQVGNVTKPT VIISQEGDKVVIRTLSTFKNTEISFQLGEEFDETTADDRNCKSVVSLDGDGLVHIQKW DGKETNFVREIKDGKVMVMTLTFGDVVAVRHYEKA
Purity	> 80% as determined by SDS-PAGE

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Storage	Short Term Storage at +4 centigrade, Long Term, please store at -20~-80 centigrade. Avoid freeze/thaw cycles.
Reconstitution	Reconstitute in sterile distilled water or aqueous buffer containing 20% glycerol or 0.1% BSA to a concentration of 0.1-1.0mg/ml. Stock solutions should be apportioned into working aliquots and stored at -20 centigrade to -70 centigrade. Further dilutions should be made in appropriate buffered solutions.
GENE INFORMATION	
Gene Name	FABP7 fatty acid binding protein 7, brain [Homo sapiens]
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
UniProt ID	O15540
Chromosome Location	6q22-q23

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Pathway	PPAR signaling pathway, organism-specific biosystem; PPAR signaling pathway, conserved biosystem;
Function	lipid binding; transporter activity;

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