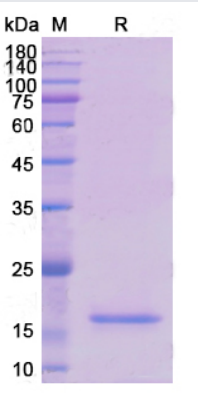
FABP3 Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	FABP3, Recombinant Protein
Full Product Name	Recombinant Human FABP3, N-His
Product Gene Name	FABP3 recombinant protein
Product Synonym Names	FABP11; H-FABP; Fatty acid-binding protein; heart; Heart-type fatty acid-binding protein; MDGI; Mammary-derived growth inhibitor; M-FABP; Muscle fatty acid-binding protein; FABP3; Fatty acid-binding protein 3
Host	E coli
Form/Format	Lyophilized from a solution in PBS pH7.4, 0.02% NLS, 1mM EDTA, 4% Trehalose, 1% Mannitol.
Purity/Purification	>90% as determined by SDS-PAGE
Preparation and Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 degree C for one week. Store at -20 to -80 degree C for twelve months from the date of receipt.
Molecular Weight	133
Sequence Positions	Met1-Ala133
OMIM	134651
3D Structure	ModBase 3D Structure for P05413
Species	Human
Reconstitution	Reconstitute in sterile water for a stock solution.
Product Categories/Family for FABP3 recombinant protein	Recombinant Proteins
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for FABP3 recombinant protein	SDS-PAGE (SDS), Western Blot (WB), ELISA (EIA), Immunogen
Related Product Information for FABP3 recombinant protein	MBS1573031 is a recombinant protein targeting FABP3. Also known as Recombinant Human FABP3, N-His. Host: E coli.
Other Notes	Small volumes of FABP3 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



SDS-Page of FABP3 recombinant protein
SDS PAGE for recombinant Human FABP3 protein

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FABP3. It may not necessarily be applicable to this product.

NCBI GI #	119802
NCBI GeneID	2170
NCBI Accession #	P05413.4
UniProt Primary Accession #	P05413
UniProt Secondary Accession #	Q5VV93; Q99957; B2RAB6
UniProt Related Accession #	P05413
NCBI Official Full Name	Fatty acid-binding protein, heart
NCBI Official Synonym Full Names	fatty acid binding protein 3, muscle and heart
NCBI Official Symbol	FABP3
NCBI Official Synonym Symbols	MDGI; FABP11; H-FABP; M-FABP; O-FABP
UniProt Protein Name	Fatty acid-binding protein, heart
UniProt Synonym Protein Names	Fatty acid-binding protein 3; Heart-type fatty acid-binding protein; H-FABP; Mammary-derived growth inhibitor; MDGI; Muscle fatty acid-binding protein; M-FABP
Protein Family	Fatty acid-binding protein
UniProt Gene Name	FABP3
UniProt Synonym Gene Names	FABP11; MDGI; H-FABP; MDGI; M-FABP
UniProt Entry Name	FABPH_HUMAN
NCBI Protein Information	fatty acid-binding protein, heart; fatty acid binding protein 11; mammary-derived growth inhibitor; muscle fatty acid-binding protein; Fatty acid-binding protein 3, muscle; heart-type fatty acid-binding protein
NCBI Summary for FABP3	The intracellular fatty acid-binding proteins (FABPs) belongs to a multigene family. FABPs are divided into at least three distinct types, namely the hepatic-, intestinal- and cardiac-type. They form 14-15 kDa proteins and are thought to participate in the uptake, intracellular metabolism and/or transport of long-chain fatty acids. They may also be responsible in the modulation of cell growth and proliferation. Fatty acid-binding protein 3 gene contains four exons and its function is to arrest growth of mammary epithelial cells. This gene is a candidate tumor suppressor gene for human breast cancer. [provided by RefSeq, Jul 2008]

UniProt Comments for FABP3	FABP3: FABP are thought to play a role in the intracellular transport of long-chain fatty acids and their acyl-CoA esters. Belongs to the calycin superfamily. Fatty-acid binding protein (FABP) family. Protein type: Lipid-binding Chromosomal Location of Human Ortholog: 1p33-p32 Cellular Component: extracellular space; sarcoplasm; cytosol Molecular Function: protein binding; icosatetraenoic acid binding; cytoskeletal protein binding; long-chain fatty acid transporter activity Biological Process: response to drug; negative regulation of cell proliferation; cholesterol homeostasis; regulation of fatty acid oxidation; fatty acid metabolic process; response to insulin stimulus; phospholipid homeostasis
Research Articles on FABP3	**1.** Results show that MDGI is expressed in human brain tumor specimens in a grade-dependent manner and its expression positively correlated with the histologic grade of the tumor, suggesting MDGI as a novel marker for malignant gliomas.
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