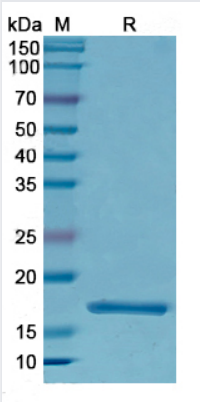
FABP2 Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	FABP2, Recombinant Protein
Full Product Name	Recombinant Human FABP2, N-His
Product Gene Name	FABP2 recombinant protein
Product Synonym Names	Intestinal-type fatty acid-binding protein; I-FABP; FABP2; Fatty acid-binding protein; intestinal; Fatty acid-binding protein 2; FABPI
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	132
Sequence Positions	Met1-Asp132
OMIM	134640
3D Structure	ModBase 3D Structure for P12104
Species	Human
Reconstitution	Reconstitute in sterile water for a stock solution.
Product Categories/Family for FABP2 recombinant protein	Recombinant Proteins
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for FABP2 recombinant protein	SDS-PAGE (SDS), Western Blot (WB), ELISA (EIA), Immunogen
Related Product Information for FABP2 recombinant protein	MBS1573327 is a recombinant protein targeting FABP2. Also known as Recombinant Human FABP2, N-His. Host: E coli.
Other Notes	Small volumes of FABP2 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 FABP2 recombinant protein
SDS PAGE for recombinant Human FABP2 protein

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FABP2. It may not necessarily be applicable to this product.

NCBI GI #	119805
NCBI GeneID	2169
NCBI Accession #	P12104.2
UniProt Primary Accession #	P12104
UniProt Secondary Accession #	Q2NKJ1
UniProt Related Accession #	P12104
NCBI Official Full Name	Fatty acid-binding protein, intestinal
NCBI Official Synonym Full Names	fatty acid binding protein 2, intestinal
NCBI Official Symbol	FABP2
NCBI Official Synonym Symbols	FABPI; I-FABP
UniProt Protein Name	Fatty acid-binding protein, intestinal
UniProt Synonym Protein Names	Fatty acid-binding protein 2; Intestinal-type fatty acid-binding protein; I-FABP
Protein Family	Fatty acid-binding protein
UniProt Gene Name	FABP2
UniProt Synonym Gene Names	FABPI; I-FABP
UniProt Entry Name	FABPI_HUMAN
NCBI Protein Information	fatty acid-binding protein, intestinal; fatty acid-binding protein 2; intestinal-type fatty acid-binding protein
NCBI Summary for FABP2	The intracellular fatty acid-binding proteins (FABPs) belong to a multigene family with nearly twenty identified members. 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. Intestinal fatty acid-binding protein 2 gene contains four exons and is an abundant cytosolic protein in small intestine epithelial cells. This gene has a polymorphism at codon 54 that identified an alanine-encoding allele and a threonine-encoding allele. Thr-54 protein is associated with increased fat oxidation and insulin resistance. [provided by RefSeq, Jul 2008]

UniProt Comments for FABP2	FABP2: FABP are thought to play a role in the intracellular transport of long-chain fatty acids and their acyl-CoA esters. FABP2 is probably involved in triglyceride-rich lipoprotein synthesis. Binds saturated long-chain fatty acids with a high affinity, but binds with a lower affinity to unsaturated long- chain fatty acids. FABP2 may also help maintain energy homeostasis by functioning as a lipid sensor. Belongs to the calycin superfamily. Fatty-acid binding protein (FABP) family. Chromosomal Location of Human Ortholog: 4q28-q31 Cellular Component: cytoplasm Molecular Function: transporter activity; fatty acid binding Biological Process: transport; digestion
Research Articles on FABP2	**1.** The study suggests that the above named variant in FABP2 gene is not potential contributor to the risk of T2DM and related traits in a Saudi population.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/recombinant-protein/fabp2/1573327