OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for PH310206

FABP2 (NM_000134) Human Mass Spec Standard

Product data:

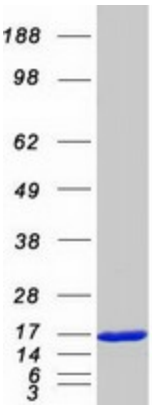
Product Type:	Mass Spec Standards
Description:	FABP2 MS Standard C13 and N15-labeled recombinant protein (NP_000125)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC210206
Predicted MW:	15.2 kDa
Protein Sequence:	>RC210206 protein sequence Red=Cloning site Green=Tags(s) MAFDSTWKVDRSENYDKFMEKMGVNIVKRKLAAHDNLKLTITQEGNKFTVKESSAFRNIEVVFELGVTFN YNLADGTELRGTWSLEGNKLIGKFKRTDNGNELNTVREIIGDELVQTYVYEGVEAKRIFKKD TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_000125
RefSeq Size:	2271
RefSeq ORF:	396
Synonyms:	FABPI; I-FABP
Locus ID:	2169
UniProt ID:	P12104
Cytogenetics:	4q26

View online »

Summary: The protein encoded by this gene is an intracellular fatty acid-binding protein that participates in the uptake, intracellular metabolism, and transport of long-chain fatty acids. The encoded protein is also involved in the modulation of cell growth and proliferation. This protein binds saturated long-chain fatty acids with high affinity, and may act as a lipid sensor to maintain energy homeostasis. [provided by RefSeq, Aug 2017]

Protein Pathways: PPAR signaling pathway

Product images:



Coomassie blue staining of purified FABP2 protein (Cat# [TP310206]). The protein was produced from HEK293T cells transfected with FABP2 cDNA clone (Cat# [RC210206]) using MegaTran 2.0 (Cat# [TT210002]).