

Product datasheet for PH307592

liver FABP (FABP1) (NM_001443) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	FABP1 MS Standard C13 and N15-labeled recombinant protein (NP_001434)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207592
Predicted MW:	14.2 kDa
Protein Sequence:	<p>>RC207592 protein sequence</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MSFSGKYQLQSQENFEAFMKAIGLPEELIQKGKDIKGVSEIVQNGKHFKFTITAGSKVIQNEFTVGEECE LETMTGEKVKTVVQLEGDNKLVTTFKNIKSVTELNGDIITNTMTLGDIVFKRISKRI</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
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_001434
RefSeq Size:	598
RefSeq ORF:	381
Synonyms:	FABPL; L-FABP
Locus ID:	2168
UniProt ID:	P07148 , Q6FGL7 , Q05CP7
Cytogenetics:	2p11.2

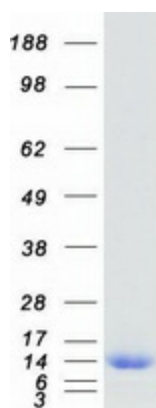

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Summary:

This gene encodes the fatty acid binding protein found in liver. Fatty acid binding proteins are a family of small, highly conserved, cytoplasmic proteins that bind long-chain fatty acids and other hydrophobic ligands. This protein and FABP6 (the ileal fatty acid binding protein) are also able to bind bile acids. It is thought that FABPs roles include fatty acid uptake, transport, and metabolism. [provided by RefSeq, Mar 2011]

Protein Pathways:

PPAR signaling pathway

Product images:


Coomassie blue staining of purified FABP1 protein (Cat# [TP307592]). The protein was produced from HEK293T cells transfected with FABP1 cDNA clone (Cat# [RC207592]) using MegaTran 2.0 (Cat# [TT210002]).