

Product datasheet for PH302737

FABP3 (NM_004102) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	FABP3 MS Standard C13 and N15-labeled recombinant protein (NP_004093)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202737
Predicted MW:	14.9 kDa
Protein Sequence:	>RC202737 protein sequence Red =Cloning site Green =Tags(s) MVD AFLGTWKL VDSKNFDDYMKSLGVGFATRQVASMTKPTTIIIEKNGDILTLKTHSTFKNTEISFKLGVE FDETTADDRKVKSIIVTL DGGKLVHLQKWDGQETTLVRELIDGKLILTLTHGTAVCTRTRYEKEA TR TRPLEQKLI SEEDLAANDILDYKDDDDKV
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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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_004093
RefSeq Size:	1097
RefSeq ORF:	399
Synonyms:	FABP11; H-FABP; M-FABP; MDGI; O-FABP
Locus ID:	2170
UniProt ID:	P05413 , A0A384MDY5
Cytogenetics:	1p35.2



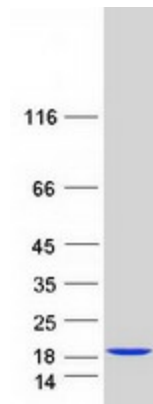
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Summary:

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. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2016]

Protein Pathways:

PPAR signaling pathway

Product images:

Coomassie blue staining of purified FABP3 protein (Cat# [TP302737]). The protein was produced from HEK293T cells transfected with FABP3 cDNA clone (Cat# [RC202737]) using MegaTran 2.0 (Cat# [TT210002]).