

## Product datasheet for PH301973

### Fatty Acid Binding Protein 5 (FABP5) (NM\_001444) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	FABP5 MS Standard C13 and N15-labeled recombinant protein (NP_001435)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201973
Predicted MW:	15.2 kDa
Protein Sequence:	>RC201973 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MATVQQLEGRWRLVDSKGFDEYMKELGVGIALRKMAMAKPDCIITCDGKNLTIKTESTLKTTFQFSCSLG EKFEETTADGRKTQVCNFTDGALVQHQEWDGKESTITRKLKDGKLVVECMNNVTCTRIYEKVE  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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:	<a href="#">NP_001435</a>
RefSeq Size:	751
RefSeq ORF:	405
Synonyms:	E-FABP; EFABP; KFABP; PA-FABP; PAFABP
Locus ID:	2171
UniProt ID:	<a href="#">Q01469</a> , <a href="#">E7DVW5</a>
Cytogenetics:	8q21.13



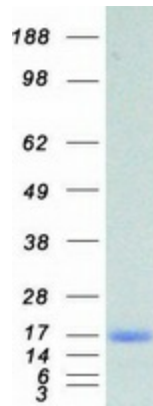
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**Summary:**

This gene encodes the fatty acid binding protein found in epidermal cells, and was first identified as being upregulated in psoriasis tissue. Fatty acid binding proteins are a family of small, highly conserved, cytoplasmic proteins that bind long-chain fatty acids and other hydrophobic ligands. FABPs may play roles in fatty acid uptake, transport, and metabolism. Polymorphisms in this gene are associated with type 2 diabetes. The human genome contains many pseudogenes similar to this locus.[provided by RefSeq, Feb 2011]

**Protein Pathways:**

PPAR signaling pathway

**Product images:**

Coomassie blue staining of purified FABP5 protein (Cat# [TP301973]). The protein was produced from HEK293T cells transfected with FABP5 cDNA clone (Cat# [RC201973]) using MegaTran 2.0 (Cat# [TT210002]).