

## Recombinant Human FABP9, His-tagged

Cat. No. FABP9-3747H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Total 141 AA. MW: 16.2 kDa (calculated). N-Terminal His-tag (10 extra AA).
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	The fatty-acid-binding proteins are a family of carrier proteins for fatty acids and other lipophilic substances such as eicosanoids and retinoids. These proteins are thought to facilitate the transfer of fatty acids between extra- and intracellular membranes. Some family members are also believed to transport lipophilic molecules from outer cell membrane to certain intracellular receptors.
<b>Form</b>	Filtered (0.4 µm) and lyophilized from 0.5 mg/ml in 20mM TRIS, 50mM NaCl, pH 7.5.
<b>Purity</b>	>99% as determined by densitometric image analysis
<b>Reconstitution</b>	Add deionized water to prepare a working stock solution of approximately 0.5 mg/mL and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.
<b>Quality Control Test</b>	BCA to determine quantity of the protein; SDS PAGE to determine purity of the protein; LAL to determine quantity of endotoxin
<b>Sequences of amino acids</b>	MKHHHHHHAS VEPFLGTWKL VSENFEDYM KELGVNFAAR NMAGLVKPTV TISVDGKMMT IRTESSFQDT KISFKLGEEF DETTADNRKV KSTITLENGS

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MIHVQKWLK ETTIKRKIVD EKMVVECKMN NIVSTRIYEK V

**Storage**

Store lyophilized protein at -80°C. Lyophilized protein remains stable until the expiry date when stored at -80°C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80°C for long term storage. Reconstituted protein can be stored at 4°C for a week.

**GENE INFORMATION**

**Gene Name**

FABP9 fatty acid binding protein 9, testis [ Homo sapiens ]

**Official Symbol**

FABP9

**Synonyms**

FABP9; fatty acid binding protein 9, testis; PERF; PERF15; T-FABP; fatty acid-binding protein 9; TLBP; OTTHUMP00000227026; lipid-binding protein; testis lipid binding protein; testis lipid-binding protein; testis-type fatty acid-binding protein; Fatty acid-binding protein 9; Testis lipid-binding protein; Testis-type fatty acid-binding protein

**Gene ID**

646480

**mRNA Refseq**

NM\_001080526

**Protein Refseq**

NP\_001073995

**UniProt ID**

Q0Z7S8

**Chromosome Location**

8q21.13

**Function**

lipid binding; transporter activity

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