

Recombinant Human Fatty Acid Binding Protein 9, Testis, His-tagged

Cat. No. FABP9-5592H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human FABP9 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
Description	FABP9 (Fatty acid binding protein 9), also known as PERF15 or T-FABP, is a member of fatty acid-binding proteins (FABPs) which are a family of small, highly conserved, cytoplasmic proteins to bind long-chain fatty acids and other hydrophobic ligands. It is found in midpachytene spermatocytes and round spermatids, and constitutes part of the perinuclear theca. Functionally, FABP9 is likely to link intracellular membranes, and may signal abnormal sperm formation during spermatogenesis.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol.
Molecular Weight	17.6 kDa (156aa), confirmed by MALDI-TOF.
Purity	> 95% by SDS-PAGE
Concentration	1 mg/ml (determined by Bradford assay)
Sequences of	MGSSHHHHHSSGLVPRGSH MGSHMVEPFL GTWKLVSSEN FEDYMKELGV

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aminoacids NFAARNMAGL VKPTVTISVDGKMMTIRTES SFQDTKISF KLGEEFDETTA
DNRKVKSTIT LENGSMIHVQKWLKGKETTIK RKIVDEKMOVV ECKMNNIVST RIYEKV

Storage Can bestored at +4°C short term (1-2 weeks). For long term storage, aliquot andstore at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name FABP9 fatty acid bindingprotein 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;lipid-binding protein; testis lipid binding protein; testis lipid-bindingprotein; testis-type fatty acid-binding protein; OTTHUMP00000227026

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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