

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 KLGEEDFETTA DNRKVKSTIT LENGSMIHVQKWLKGKETTIK RKIVDEKMOV 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