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# Recombinant human FABP9/T-FABP protein

Catalog Number: ATGP1514

## **PRODUCT INFORMATION**

## **Expression system**

E.coli

#### **Domain**

1-132aa

#### **UniProt No.**

00Z7S8

# **NCBI Accession No.**

NP 001073995

#### **Alternative Names**

Fatty acid binding protein 9, PERF, PERF15, T-FABP

# PRODUCT SPECIFICATION

#### **Molecular Weight**

17.6 kDa (156aa) confirmed by MALDI-TOF

#### Concentration

1mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol

#### **Purity**

> 95% by SDS-PAGE

#### Tag

His-Tag

### **Application**

SDS-PAGE

## **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

#### **BACKGROUND**

#### **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. Recombinant human FABP9 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.



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# **Amino acid Sequence**

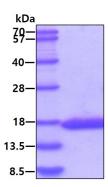
<MGSSHHHHHH SSGLVPRGSH MGSH>MVEPFL GTWKLVSSEN FEDYMKELGV NFAARNMAGL VKPTVTISVD GKMMTIRTES SFQDTKISFK LGEEFDETTA DNRKVKSTIT LENGSMIHVQ KWLGKETTIK RKIVDEKMVV ECKMNNIVST RIYEKV

#### **General References**

Chmurzynska A., et al. (2006) J Appl Genet. 47(1):39-48. Weisiger RA., et al. (2002) Curr Protoc Cytom. 239: 35-43.

# **DATA**

#### **SDS-PAGE**



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

