

Recombinant human FABP9/T-FABP protein

Catalog Number: ATGP1514

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-132aa

UniProt No.

Q0Z7S8

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

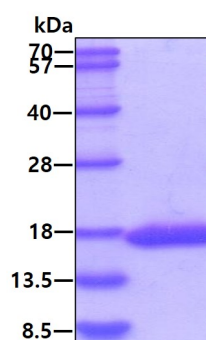
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RIYEKV

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.