

Product information

FABP9, 1-132aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP1514

Full name: Fatty acid binding protein 9

NCBI Accession No.: NP_001073995

Synonyms: PERF, PERF15, T-FABP

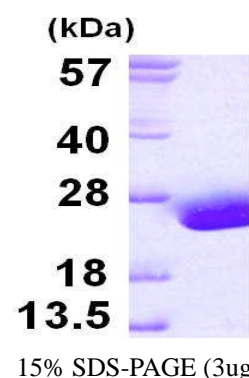
Description: FABP9 (Fatty acid binding protein 9), also known as PERF15 or T-FABP, is a member of fatty acid-binding proteins (FABPs) which are a family of small, highly conserved, cytoplasmic proteins to bind long-chain fatty acids and other hydrophobic ligands. It is found in midpachytene spermatocytes 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.

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 amino acids:

MGSSHHHHHH SSGLVPRGSH MGSMMVEPFL GTWKLVSSEN FEDYMKELGV NFAARNMAGL VKPTVTISVD GKMMTIRTES SFQDTKISFK
LGEEDETTA DNRKVKSTIT LENGSMIHVQ KWLKGKETT IK RKIVDEKMMV 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.

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

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.