Recombinant human FABP12 protein

Catalog Number: ATGP1558

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-140aa

UniProt No.
A6NFH5

NCBI Accession No.
NP_001098751

Alternative Names
Fatty acid binding protein 12

PRODUCT SPECIFICATION

Molecular Weight
18 kDa (164aa) confirmed by MALDI-TOF

Concentration
0.5mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 7.5) containing 0.15M NaCl, 10% glycerol

Purity
> 90% 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
FABP12 belongs to the calycin superfamily and fatty-acid binding protein (FABP) family. The fatty-acid-binding proteins (FABPs) are a family of carrier proteins for fatty acids and other lipophilic substances such as eicosanoids and retinoids. These proteins are thought to facilitate the transfer of fatty acids between extra- and intracellular membranes. FABP12 may play a role in lipid transport. Recombinant human FABP12 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

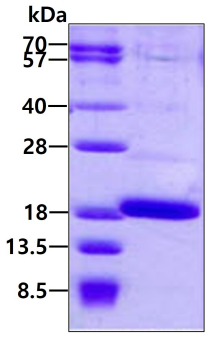
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General References

Chmurzynska A., et al. (2006). J. Appl. Genet. 47 (1): 39-48.
Smathers RL., et al. (2011). Hum Genomics. Mar 5(3):170-91.

DATA

SDS-PAGE



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