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

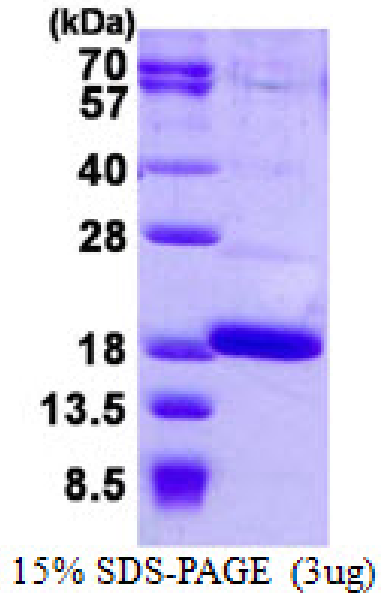
MGSSHHHHHH SSGLVPRGSH MGSHMIDQLQ GTWKSISCEN SEDYMKELGI GRASRKLGRL AKPTVTISTD GDVITIKTKS IFKNNEISFK LGEEFEEITP GGHKTKSKVT LDKESLIQVQ DWDGKETTIT RKLVDGKMVV ESTVNSVICT RTYEKVSSNS VSNS

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



15% SDS-PAGE (3ug)

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