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AR50382PU-S Human FABP12 (1-140, His-tag) - Purified

Alternate names: Fatty acid binding protein 12

Quantity: 50 µg

Concentration: 0.5 mg/ml (determined by Bradford assay)

Background: 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.

Uniprot ID: A6NFH5

NCBI: NP_001098751.1

GeneID: 646486

Species: Human

Source: E. coli

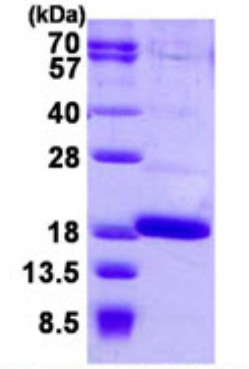
Format:
State: Liquid purified protein
Purity: >90% by SDS - PAGE
Buffer System: 20 mM Tris-HCl buffer (pH 7.5) containing 0.15M NaCl, 10% glycerol

Description: Recombinant human FABP12 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
AA Sequence:
MGSSHHHHHH SSGLVPRGSH MGSHMIDQLQ GTWKSISCEN SEDYMKELGI GRASRKLGRL
AKPTVTISTD GDVITIKTKS IFKNNEISFK LGEEFEEITP GGHKTKSKVT LDKESLIQVQ
DWDGKETTIT RKLVDGKMVV ESTVNSVICT RTYEKVSSNS VSNS
Molecular weight: 18 kDa (164aa), confirmed by MALDI-TOF

Storage: Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

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

Pictures:



15% SDS-PAGE (3ug)