

FABP1 Human, His

Description: FABP1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing a total of 147 amino acids (1-127 a.a) and having a molecular mass of 16 kDa. The protein is fused to a 20 a.a His-Tag at N-terminus. The FABP-1 is purified by proprietary chromatographic techniques.

Catalog #: PRPS-595

For research use only.

Synonyms: Fatty acid-binding protein 1 liver, L-FABP, FABPL, FABP-1, FABP1, Z-protein.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MSFSGKYQLQ SQENFEAFMK
AIGLPEELIQ KGKDIKGVSEIVQNGKHFKF TITAGSKVIQ NEFTVGEECE LETMTGEKVK
TVVQLEGDNK LVTTFKNIKSVTELNGDIIT NTMTLGDIVF KRISKRI.

Purity: Greater than 95.0% as determined by SDS-PAGE.

Formulation:

The protein solution contains 20mM Tris-HCl pH-8.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

FABP1 (Fatty acid binding protein1) encodes the fatty acid binding protein found in liver. FABP1 is composed of ten antiparallel beta strands that form a barrel with a bigger binding pocket than the other FABPs allowing it to accommodate two fatty acid. This protein binds free fatty acids and their coenzyme A derivatives, bilirubin, and some other small molecules in the cytoplasm; it may be involved in intracellular lipid transport and metabolism.

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