

32-13225: FABP1 Rat

Alternative Name : Fatty acid-binding protein, liver, Fatty acid-binding protein 1, Liver-type fatty acid-binding protein, L-FABP, Squalene- and sterol-carrier protein, SCP, Z-protein, p14, Fabbp1, Fabplg, FABP1.

Description

Source: Escherichia Coli.

Sterile Filtered clear solution.

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.

FABP1 Rat Recombinant produced in E. coli is a single non-glycosylated polypeptide chain containing 150 amino acids (1-127) and having a molecular mass of 16.7kDa. FABP1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Product Info

Amount : 5 µg / 25 µg

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

Content : The FABP1 solution (1mg/1ml) contains phosphate buffered saline (pH7.4), 20% glycerol and 1mM DTT.

Storage condition : 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). Avoid multiple freeze-thaw cycles.

Amino Acid : MGSSHHHHHH SSSLVPRGSH MGSMNFSGKY QVQSQENFEP FMKAMGLPED LIQKGKDIKG
VSEIVHEGKK VKLTITYGSK VIHNEFTLGE ECELETMTGE KVKAVVKMEG DNKMVTTFKG IKSVTEFNGD
TITNTMTLGD IVYKRVSRI.