

PrimeGene™ Recombinant Human Fatty-acid-binding Protein 6
a biotechne brand (rHuFABP6)

PrimeGene Technical Data Sheet

Catalog Number:	602-06
Source:	<i>Escherichia coli</i> .
Molecular Weight:	Approximately 14.2 kDa, a single non-glycosylated polypeptide chain containing 127 amino acids.
Quantity:	5µg/25µg/1000µg
AA Sequence:	AFTGKFEMES EKNYDEFMKL LGISSDVIEK ARNFKIVTEV QQDGQDFTWS QHYSGGHTMT NKFTVGKESN IQTMGGKTFK ATVQMEGGKL VVNFPNYHQT SEIVGDKLVE VSTIGGVITYE RVSKRLA
Purity:	> 97 % by SDS-PAGE and HPLC analyses.
Biological Activity:	Data Not Available.
Physical Appearance:	Sterile Filtered White lyophilized (freeze-dried) powder.
Formulation:	Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4, 5 % trehalose.
Endotoxin:	Less than 0.1 EU/µg of rHuFABP6 as determined by LAL method.
Reconstitution:	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.
Shipping:	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage:	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none">● 12 months from date of receipt, -20 to -70 °C as supplied.● 1 month, 2 to 8 °C under sterile conditions after reconstitution.● 3 months, -20 to -70 °C under sterile conditions after reconstitution.
Usage:	This material is offered by Shanghai PrimeGene Bio-Tech for research, laboratory or further evaluation purposes. NOT FOR HUMAN USE.

Human Fatty-acid-binding Protein 6

FABP6, also named ILBP, I-15P and I-BABP, is belonging to the FABPs family and it is encoded by the FABP6 gene in human. The fatty-acid-binding proteins (FABPs) are a family of carrier proteins for fatty acids and other lipophilic substances such as eicosanoids and retinoids. Levels of fatty-acid-binding protein have been shown to decline with ageing in the mouse brain, possibly contributing to age-associated decline in synaptic activity. FABP6 and FABP1 (the liver fatty acid binding protein) are also able to bind bile acids. It is thought that FABPs roles include fatty acid uptake, transport, and metabolism. Recombinant human FABP6 contains 127 amino acids and has a molecular mass of 14.2 kDa.