



Recombinant Protein Technical Manual

Recombinant Human FABP5 Protein

RPES2388

Product Data:

Product SKU: RPES2388

Size: 50µg

Species: Human

Expression host: E. coli

Uniprot: Q01469

Protein Information:

Molecular Mass: 15.2 kDa

AP Molecular Mass:

Tag:

Bio-activity:

Purity: > 92 % as determined by reducing SDS-PAGE.

Endotoxin: Please contact us for more information.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from sterile 50mM Tris, pH 8.0

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Fatty Acid-Binding Protein Epidermal; Epidermal-Type Fatty Acid-Binding Protein; E-FABP; Fatty Acid-Binding Protein 5; Psoriasis-Associated Fatty Acid-Binding Protein Homolog; PA-FABP; FABP5

Immunogen Information:

Sequence: Met 1-Glu 135

Background:

Fatty acid-binding protein, also known as Epidermal-type fatty acid-binding protein, Fatty acid-binding protein 5, Psoriasis-associated fatty acid-binding protein homolog, E-FABP and FABP5, is a cytoplasm protein which belongs to the calycin superfamily and Fatty-acid binding protein (FABP) family. Fatty acid-binding proteins (FABPs) are postulated to serve as lipid shuttles that solubilize hydrophobic fatty acids and deliver them to appropriate intracellular sites. E-FABP / FABP5 is predominantly expressed in keratinocytes and is overexpressed in the actively proliferating tissue characteristic of psoriasis and wound healing. E-FABP / FABP5 exhibits an important role in binding free fatty acids, as well as regulating lipid metabolism and transport. E-FABP / FABP5 has high specificity for fatty acids. It has highest affinity for C18 chain length. Decreasing the chain length or introducing double bonds reduces the affinity of FABP5. E-FABP / FABP5 may be involved in keratinocyte differentiation.