

Recombinant Human FABP5/E-FABP Protein

Catalog No.: RP02174 **Recombinant**

Sequence Information

| Species | Gene ID | Swiss Prot |
|---------|---------|------------|
| Human | 2171 | Q01469 |

Tags

N-His

Synonyms

FABP5;E-FABP;EFABP;KFABP;PA-FABP;PAFABP

Product Information

| Source | Purification |
|----------------|--------------------|
| <i>E. coli</i> | > 95% by SDS-PAGE. |

| Calculated MW | Observed MW |
|---------------|-------------|
| 17.33 kDa | 16 kDa |

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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Background

Fatty acid-binding protein 5 (FABP5) is a cytoplasm protein that belongs to the fatty-acid binding protein (FABP) family of calycin superfamily. Fatty acid binding proteins are a family of small, highly conserved, cytoplasmic proteins that bind long-chain fatty acids. FABP5 can be expressed in keratinocytes, and is highly expressed in psoriatic skin. FABP5 has been shown to be involved in keratinocyte differentiation. FABP5 has high specificity for fatty acids, the highest affinity for C18 chain length. FABP5 can decrease the chain length or introduce double bonds to reduce the affinity.

Basic Information

Description

Recombinant Human FABP5/E-FABP Protein is produced by E.coli expression system. The target protein is expressed with sequence (Ala2-Glu135) of human FABP5 (Accession #Q01469) fused with a 6xHis tag at the N-terminus.

Bio-Activity

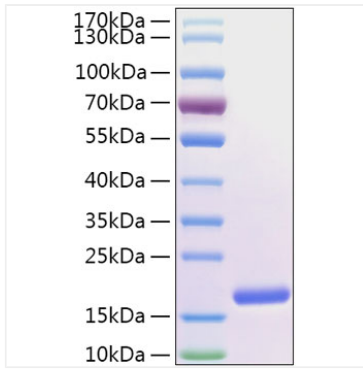
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Human FABP5/E-FABP Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 16kDa.