

## PRODUCT DATA SHEET

### Intestinal Fatty Acid Binding Protein Human E. coli

**Cat. No.:** RD172246100

**Size:** 0.1 mg

**Source:** E. coli

**Type:** Recombinant protein

**Species:** Human

**Other Names:**

Fatty acid-binding protein 2, Intestinal-type fatty acid-binding protein, I-FABP, FABP2, FABPI

**Description:**

Total 141 AA. MW: 16.32 kDa (calculated). UniProtKB acc.no. P12104. N-Terminal His-tag (10 extra AA)

**Amino Acid Sequence:**

MKHHHHHHAS AFDSTWKVDR SENYDKFMEK MGVNIVKRKL AAHDNLKLLI TQEGNKFTVK  
ESSAFRNIEV VFELGVTFNY NLADGTELRG TWSLEGNKLI GKFKRTDNGN ELNTVREIIG  
DELVQTYVYE GVEAKRIFKK D

**Purity:**

> 90 % by SDS-PAGE

**Endotoxin:**

< 1.0 EU/μg

**Formulation:**

Filtered (0.4 μm) and lyophilized from 0.5 mg/ml solution in phosphate buffered saline, pH 7.4

**Reconstitution:**

Add deionized water to prepare a working stock solution of approximately 0.5 mg/mL and let the lyophilized pellet dissolve completely.

**Shipping:**

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

**Storage/Stability:**

Store lyophilized protein at -80°C. Lyophilized protein remains stable until the expiry date when stored at -80°C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80°C for long term storage. Reconstituted protein can be stored at 4°C for a week.

**Quality Control:**

BCA to determine quantity of the protein.  
SDS PAGE to determine purity of the protein.  
Endotoxin level determination.

**Applications:**

ELISA, Western blotting

**Note:**

This product is intended for research use only.