

For Research Use Only

# Recombinant Mouse FABP1 protein (rFc Tag)



Catalog Number: Eg7278

## Basic Information

**Species:**  
Mouse

**Purity:**  
>90 %, SDS-PAGE

**Tag:**  
rFc Tag

## Technical Specifications

**Purity:**

>90 %, SDS-PAGE

**Endotoxin Level:**

<0.1 EU/  $\mu$ g protein, LAL method

**Source:**

HEK293-derived Mouse FABP1 protein Asn2-Ile127 (Accession# P12710) with a rabbit IgG Fc tag at the C-terminus.

**GeneID:**

14080

**Accession:**

P12710

**Predicted Molecular Mass:**

39.7 kDa

**SDS-PAGE:**

38-42 kDa, reducing (R) conditions

**Formulation:**

Lyophilized from 0.22  $\mu$ m filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

## Biological Activity

Not tested

## Storage and Shipping

**Storage:**

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

**Shipping:**

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

## Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

## Background

FABP1, liver fatty acid-binding protein, is abundant in cytoplasm that regulates lipid transport and metabolism. It plays a role in lipoprotein-mediated cholesterol uptake in hepatocytes. FABP1 is mainly expressed in hepatocytes, enterocytes and to a lesser degree in renal tubular cells, associated with liver injury. Levels of FABP1 have been found to be elevated in patients with hepatocyte injury secondary to alcohol or drug toxicity.

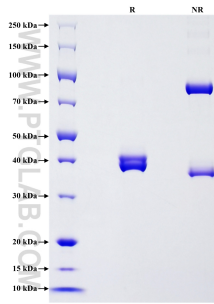
## References

- 1.Huang, Huan et al. Biochimica et biophysica acta vol. 1851,7 (2015): 946-55.
- 2.Pelsters, Maurice M A L et al. Clinica chimica acta; international journal of clinical chemistry vol. 352,1-2 (2005): 15
- 3.Pelsters, Maurice M A L et al. Clinical biochemistry vol. 36,7 (2003): 529-35.

## Synonyms

liver FABP, 14 kDa selenium-binding protein, Fabpl, Fatty acid-binding protein 1, Fatty acid-binding protein, liver

## Selected Validation Data



Purity of Recombinant Mouse FABP1 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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