

## Recombinant Mouse Fatty Acid Binding Protein 4 (mFABP4)

<b>Type:</b>	Recombinant	<b>Cat. No.:</b>	42030
<b>Tag:</b>	His	<b>Size:</b>	0.1 mg
<b>Source:</b>	E.Coli	<b>Purity:</b>	>95%
<b>Other names:</b>	aP2; A-FABP;	<b>Species:</b>	Mouse

### Introduction to the Molecule

Fatty-acid binding protein 4(FABP4), also termed adipocyte fatty-acid binding protein (A-FABP), or aP2, is a novel adipocyte-expressed factor which accounted for ~6% of total cellular proteins. Several animal experiments suggested that FABP-4 plays a key role in the link between obesity and various features of metabolic syndrome. Mice with targeted disruption of FABP-4 accompany FABP-5 almost completely protect against diet-induced obesity, insulin resistance, dyslipidemia, type 2 diabetes, and fatty liver disease. Studies in human found FABP-4 serum levels were significantly increased in overweight and obese subjects, which predicted the risk to develop metabolic syndrome and type 2 diabetes. Additionally, serum FABP-4 levels were associated with carotid atherosclerosis and coronary artery disease.

### Description

Total 160 AA. Mw: 18 KDa (calculated). N-terminal His-tag and TEV cleavage site, 28 extra AA (highlighted).

### Amino Acid Sequence

**MSYYHHHHH** **DYDIPTTENL** **YFQGAMGS** MCDAFVGTWK LVSSSENFDDY  
MKEVGVGFAT RKVAGMAKPN MIISVNGDLV TIRSESTFKN TEISFKLGVE  
FDEITADDRK VKSIITLDGG ALVQVQKWDG KSTTIKRKRD GDKLVVECVM  
KGV TSTRVYE RA

### Formulation

Lyophilized in 1 mg/mL in PBS.

### Reconstitution

Add deionized water to prepare a working stock solution of approximately 1 mg/mL and let the lyophilized pellet dissolve completely.

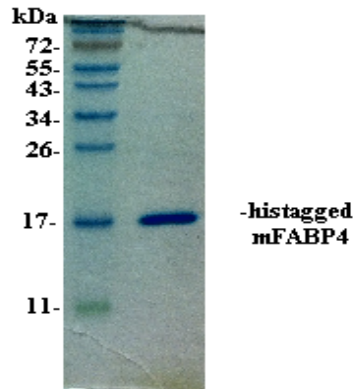
### Storage

Store lyophilized protein at -20°C. Aliquot reconstituted protein and store at -80°C. Avoid repeated freezing /thawing cycles.

## Applications

ELISA and Western blotting.

## SDS-PAGE Gel



## Contact Us

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