

41030. Recombinant Human Fatty Acid Binding Protein 4 (hFABP4)

Type:	Recombinant	Cat. No.:	41030
Tag:	N-terminal 6xHis tag	Size:	0.1 mg
Source:	E.Coli	Purity:	>95%
Other names:	aP2; A-FABP;	Species:	Human

Introduction

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

MSYYHHHHHHHDYDIPTTENLYFQGAMGSMCDAFVGTWKLVSSENFDDYMKEVGVGFATRK
VAGMAKPNMIISVNGDVITIKSESTFKNTEISFILGQEFDEVTADDRKVKSTITLDGGVLVHVQK
WDGKSTTIKRRKREDDKLVVECVMKGV TSTRVYERA

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
