

Recombinant Chicken FABP2 Protein, His-tagged

Cat. No. FABP2-2179C Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Chicken FABP2 Protein (Met1-Glu132) with a N-His tag was expressed in E. coli.
Species	Chicken
Source	E.coli
ProteinLength	Met1-Glu132
Description	The protein encoded by this gene is an intracellular fatty acid-binding protein that participates in the uptake, intracellular metabolism, and transport of long-chain fatty acids. The encoded protein is also involved in the modulation of cell growth and proliferation. This protein binds saturated long-chain fatty acids with high affinity, and may act as a lipid sensor to maintain energy homeostasis.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 18.8 kDa Accurate Molecular Mass: 18 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	FABP2 fatty acid binding protein 2 [Gallus gallus (chicken)]
Official Symbol	FABP2
Synonyms	FABP2; fatty acid binding protein 2; FABP; fatty acid-binding protein, intestinal fatty acid binding protein 2, intestinal intestinal fatty acid-binding protein
Gene ID	422678
mRNA Refseq	NM_001007923
Protein Refseq	NP_001007924
UniProt ID	Q7ZZZ5

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