

Recombinant Pig APOA1BP Protein, His&GST-tagged

Cat. No. APOA1BP-206P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Pig APOA1BP Protein (Leu60-Gln288) with N-His&GST tag was expressed in E. coli.
Species	Pig
Source	E.coli
ProteinLength	Leu60-Gln288
Description	Catalyzes the epimerization of the S- and R-forms of NAD(P)HX, a damaged form of NAD(P)H that is a result of enzymatic or heat-dependent hydration. This is a prerequisite for the S-specific NAD(P)H-hydrate dehydratase to allow the repair of both epimers of NAD(P)HX. Accelerates cholesterol efflux from endothelial cells to high-density lipoprotein (HDL) and thereby regulates angiogenesis (By similarity).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 55.3 kDa Accurate Molecular Mass: 55 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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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

PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.

Reconstitution

Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name

APOA1BP apolipoprotein A-I binding protein [*Sus scrofa* (pig)]

Official Symbol

APOA1BP

Synonyms

APOA1BP; apolipoprotein A-I binding protein; NAD(P)H-hydrate epimerase; AI-BP; NAD(P)HX epimerase; apolipoprotein A-I binding protein; apolipoprotein A-I-binding protein

Gene ID

780405

mRNA Refseq

NM_001078664

Protein Refseq

NP_001072132

UniProt ID

Q0PIT9

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