

## Recombinant Pig APOA1BP Protein, His&GST-tagged

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

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Pig APOA1BP Protein (Leu60-Gln288) with N-His&GST tag was expressed in E. coli.                                                                                                                                                                                                                                                                                                                            |
| <b>Species</b>          | Pig                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>ProteinLength</b>    | Leu60-Gln288                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Description</b>      | 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). |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 55.3 kDa<br>Accurate Molecular Mass: 55 kDa                                                                                                                                                                                                                                                                                                                                                  |
| <b>Purity</b>           | > 90%                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Applications</b>     | Positive Control; Immunogen; SDS-PAGE; WB.                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Stability</b>        | 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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