

## Recombinant Bovine APOA1 Protein (25-265 aa), His-tagged

Cat. No. APOA1-1331B Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant Bovine APOA1 Protein (25-265 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Full Length of Mature Protein.

**Species** Bovine

**Source** Yeast


**ProteinLength** 25-265 aa

**Description** Participates in the reverse transport of cholesterol from tissues to the liver for excretion by promoting cholesterol efflux from tissues and by acting as a cofactor for the lecithin cholesterol acyltransferase (LCAT). As part of the SPAP complex, activates spermatozoa motility.

**Form** Tris-based buffer, 50% glycerol

**Molecular Mass** 29.5 kDa

**AA Sequence**  
 DDPQSSWDRVKDFATVYVEAIKDSGRDYVAQFEASALGKQLNLKLLDNWDTLASTL  
 SKVREQLGPVTQEFWDNLEKETASLRQEMHKDLEEVKQKQVQPYLDEFQKKWHEEV  
 EIYRQKVAPLGEEFREGARQKVQELQDKLSPLAQELRDRARAHVETLRQQLAPYSD  
 DLRQRLTARLEALKEGGGSLAEYHAKASEQLKALGEKAKPVLEDLRQGLLPVLES  
 LKVSILAAIDEASKKLNAQ

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<b>Purity</b>	> 90% as determined by SDS-PAGE.
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
<b>Concentration</b>	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.

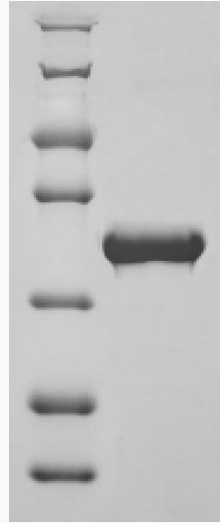
## GENE INFORMATION

<b>Gene Name</b>	<a href="#">APOA1 apolipoprotein A1 [ Bos taurus (cattle) ]</a>
<b>Official Symbol</b>	<a href="#">APOA1</a>
<b>Synonyms</b>	APOA1; Apolipoprotein A1;
<b>Gene ID</b>	<a href="#">281631</a>
<b>mRNA Refseq</b>	<a href="#">NM_174242</a>
<b>Protein Refseq</b>	<a href="#">NP_776667</a>
<b>UniProt ID</b>	<a href="#">P15497</a>

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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