

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 SKVREQLGPVTQEFWDNLEKETASLRQEMHKDLEEVKQKVQPYLDEFQKKWHEEV EIYRQKVAPLGEEFREGARQKVQELQDKLSPLAQELRDRARAHVETLRQQLAPYSD DLRQRLTARLEALKEGGGSLAEYHAKASEQLKALGEKAKPVLEDLRQGLLPVLES LKVLSILAAIDEASKKLNAQ

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Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	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.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.

GENE INFORMATION

Gene Name	APOA1 apolipoprotein A1 [Bos taurus (cattle)]
Official Symbol	APOA1
Synonyms	APOA1; Apolipoprotein A1;
Gene ID	281631
mRNA Refseq	NM_174242
Protein Refseq	NP_776667
UniProt ID	P15497

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

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