

## Recombinant bovine Apolipoprotein A-I

Catalog No: #AP72432



Package Size: #AP72432-1 20ug #AP72432-2 100ug #AP72432-3 1mg

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## Description

Product Name	Recombinant bovine Apolipoprotein A-I
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:25-265aaSequence Info:Full Length
Other Names	Apolipoprotein A1
Accession No.	P15497
Uniprot	P15497
GeneID	281631;
Calculated MW	29.5 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	DDPQSSWDRVKDFATVYVEAIKDSGRDYVAQFEASALGKQLNLKLLDNWDTLASTLSKVREQLGPVTQEFWD NLEKETASLRQEMHKDLEEVKQKVPYLDEFQKKWHEEVEIYRQKVAPLGEEFREGARQKVQELQDKLSPLA QELRDRARAHVETLRQQLAPYSDDLRLQRLTARLEALKEGGGSLAEYHAKASEQLKALGEKAKPVLEDLRQGL LPVLESCLKVSILAAIDEASKKLNAQ
Formulation	Tris-based buffer50% glycerol
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°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

## Background

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.

## References

Characterization and amino-terminal sequence of apolipoprotein AI from plasma high density lipoproteins in the preruminant calf, Bos spp.Auboiron S., Sparrow D.A., Beaubatie L., Bauchart D., Sparrow J.T., Laplaud M.P., Chapman J.M.Biochem. Biophys. Res. Commun. 166:833-839(1990)Research Topic:Others

Note: This product is for in vitro research use only