

## Recombinant mouse Apolipoprotein A-IV

Catalog No: #AP72434

Package Size: #AP72434-1 20ug #AP72434-2 100ug #AP72434-3 1mg

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## Description

Product Name	Recombinant mouse Apolipoprotein A-IV
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:21-395aaSequence Info:Full Length
Other Names	Apolipoprotein A4
Accession No.	P06728
Uniprot	P06728
GeneID	11808;
Calculated MW	45 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	<p>EVTSDQVANVVDYFTQLSNNAKEAVEQFQKTDVTTQLSTLFQDKLGDASTYADGVHNKLVFPVQVLSGHLA  QETERVKEEIKKELEDLRDRMMPHANKVTQTFGENMQKLQEHLKPYAVDLQDQINTQTQEMKLQLTPYIQRM  QTTIKENVDNLHTSMPLATNLKDKFNRMEEELKGHLTPRANELKATIDQNLLEDLRRSLAPLTVGVQEKLNHQ  MEGLAFQMKKNAEELQTKVSAKIDQLQKNLAPLVEDVQSKVKGNTGLQKSLEDLNRQLEQQVEEFRRTVEP  MGEMFNKALVQQLEQFRQQLGPNSEGEVESHLSFLEKSLREKVNFSMSTLEKKGSPDQPQALPLPEQAQEQA  QEQAQEQVQPKPLES</p>
Formulation	Tris-based buffer50% glycerol
Storage	<p>The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.</p> <p>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.</p>

## Background

May have a role in chylomicrons and VLDL secretion and catabolism. Required for efficient activation of lipoprotein lipase by ApoC-II; potent activator of LCAT. ApoA-IV is a major component of HDL and chylomicrons.

## References

Mass spectral analysis of the apolipoproteins on mouse high density lipoproteins. Detection of post-translational modifications.Puppione D.L., Yam L.M., Bassilian S., Souda P., Castellani L.W., Schumaker V.N., Whitelegge J.P.Biochim. Biophys. Acta 1764:1363-1371(2006)Research Topic:Others

Note: This product is for in vitro research use only