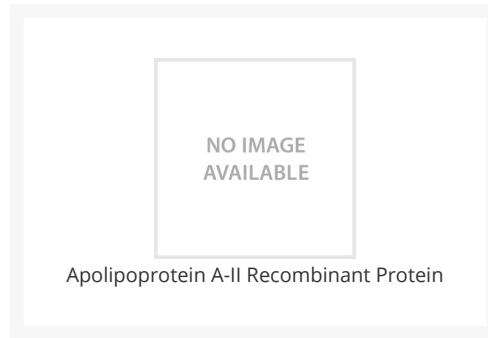




# Apolipoprotein A-II Recombinant Protein

Cat. No.: 91-854



## Ψ Specifications

<b>SPECIES:</b>	Human
<b>SOURCE SPECIES:</b>	Human Cells
<b>SEQUENCE:</b>	Gln24-Gln100
<b>FUSION TAG:</b>	C-6 His tag
<b>TESTED APPLICATIONS:</b>	
<b>APPLICATIONS:</b>	This recombinant protein can be used for biological assays. For research use only.
<b>PREDICTED MOLECULAR WEIGHT:</b>	9.74 kD

## Ψ Properties

<b>PURITY:</b>	Greater than 95% as determined by reducing SDS-PAGE. Endotoxin level less than 0.1 ng/ug (1 IEU/ug) as determined by LAL test.
<b>PHYSICAL STATE:</b>	Lyophilized
<b>BUFFER:</b>	Lyophilized from a 0.2 um filtered solution of 20mM PB,150mM NaCl,pH7.4. It is not recommended to reconstitute to a concentration less than 100 ug/ml. Dissolve the lyophilized protein in ddH2O.

<b>STORAGE CONDITIONS:</b>	Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.
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## Additional Info

<b>OFFICIAL SYMBOL:</b>	APOA2
<b>ALTERNATE NAMES:</b>	Apolipoprotein A-II, Apo-AII, Apolipoprotein A2, Truncated apolipoprotein A-II, ProapoA-II, APOA2
<b>ACCESSION NO.:</b>	P02652
<b>PROTEIN GI NO.:</b>	189065248
<b>GENE ID:</b>	336

## Background and References

<b>BACKGROUND:</b>	Apolipoprotein A-II(Apo-AII for short), also known as Apolipoprotein A2, is a secreted protein which belongs to the apolipoprotein A2 family. It exists as a disulfide-linked homodimer; and also can form a disulfide-linked heterodimer with APOD. APOA2 is the 2nd most abundant protein of the high density lipoprotein particles. This protein may stabilize HDL (high density lipoprotein) structure by its association with lipids, and affect the HDL metabolism. Defects in APOA2 gene might cause apolipoprotein A-II deficiency or hypercholesterolemia.
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