

Recombinant Human APOD, His-tagged

Cat. No. APOD-3653H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human APOD, fused with His-tag (7 extra AA) at C-terminal, was expressed in E. coli.
Species	Human
Source	E.coli
Description	This gene encodes a component of high density lipoprotein that has no marked similarity to other apolipoprotein sequences. It has a high degree of homology to plasma retinol-binding protein and other members of the alpha 2 microglobulin protein superfamily of carrier proteins, also known as lipocalins. This glycoprotein is closely associated with the enzyme lecithin:cholesterol acyltransferase - an enzyme involved in lipoprotein metabolism.?
Form	Filtered (0.4?µm) and lyophilized from 1.0?mg/mL in 4?mM KH ₂ PO ₄ ; 16?mM Na ₂ HPO ₄ ; 115?mM NaCl; pH?7.5
Molecular Mass	19.82?kDa (calculated)
AA Sequence	FHLGKCPNPP VQENFDVNKY PGRWYEIEKI PTTFENGRCI QANYSLMENG KIKVLNQELR ADGTVNQIEG EATPVNLTEP AKLEVKFSWF MPSAPYHILA TDYENYALVY SCTSISQSFH VDFAWILARN VALPPETVDS LKNILTSNNI DVKKMTVTDQ VNCPLKLSAHH HHHH
Endotoxin	<1.0?eu>

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Purity	>95%
Applications	ELISA, Western blotting
Quality Control Test	BCA to determine content of the protein SDS-PAGE to determine purity of the protein LAL TEST to determine quantity of the endotoxin.
Notes	This product is intended for research use only.
Storage	Store lyophilized protein at -20°C. Lyophilized protein remains stable until the expiry date when stored at -20°C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80°C for long term storage. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.
Reconstitution	Add deionized water to a working concentration approximately 0.5 mg/mL and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter this product by an appropriate sterile filter before using it in the cell culture.
Shipping	At ambient temperature. Upon receipt, store the product at the temperature recommended below.

GENE INFORMATION

Gene Name	APOD apolipoprotein D [Homo sapiens]
Official Symbol	APOD
Synonyms	APOD; apolipoprotein D; apo-D
Gene ID	347

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mRNA Refseq	NM_001647
Protein Refseq	NP_001638
MIM	107740
UniProt ID	P05090
Chromosome Location	3q29
Function	cholesterol binding; lipid transporter activity; protein binding

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