

## Active Recombinant Human ApoD

Cat. No. ApoD-8447H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	The recombinant human Apo-D expressed from E.Coli is a single, non-glycosylated, Polypeptide chain containing 174 amino acids and having a molecular mass of 19.8 kDa.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	Apolipoprotein-D (Apo-D) is mainly associated with high density lipoproteins in human plasma. It is expressed in numerous tissues having high levels of expression in spleen, testes and brain. Apo-D is a multi-ligand, multi-functional transporter and transports a ligand from 1 cell to another within an organ, scavenge a ligand within an organ for transport to the blood or could transport a ligand from the circulation to specific cells within a tissue.
<b>Form</b>	Lyophilized from 1 mg/ml in 4 mM KH <sub>2</sub> PO <sub>4</sub> , 16 mM Na <sub>2</sub> HPO <sub>4</sub> and 115 mM NaCl pH7.5.
<b>Bio-activity</b>	N/A
<b>Molecular Mass</b>	19.8 kDa
<b>Endotoxin</b>	<0.1>
<b>Purity</b>	≥95% by SDS - PAGE; ≥95% by HPLC

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<b>Storage</b>	The lyophilized human Apo-D is best-stored desiccated below 0°C. Reconstituted Apo-D should be stored in working aliquots at -20°C.
<b>Reconstitution</b>	Reconstitute in dH <sub>2</sub> O to a working volume of 0.5 mg/ml and let the lyophilized pellet dissolve completely. This solution can then be diluted into other aqueous buffers and stored at 4°C for 1 week or -20°C for future use
<b>Shipping</b>	Gel pack
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	<a href="#">APOD apolipoprotein D [ Homo sapiens ]</a>
<b>Official Symbol</b>	ApoD
<b>Synonyms</b>	APOD; apolipoprotein D; apo-D;
<b>Gene ID</b>	<a href="#">347</a>
<b>mRNA Refseq</b>	<a href="#">NM_001647</a>
<b>Protein Refseq</b>	<a href="#">NP_001638</a>
<b>MIM</b>	<a href="#">107740</a>
<b>UniProt ID</b>	<a href="#">P05090</a>
<b>Chromosome Location</b>	3q26.2-qter
<b>Function</b>	cholesterol binding; lipid binding; lipid transporter activity; protein binding; transporter activity;

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