

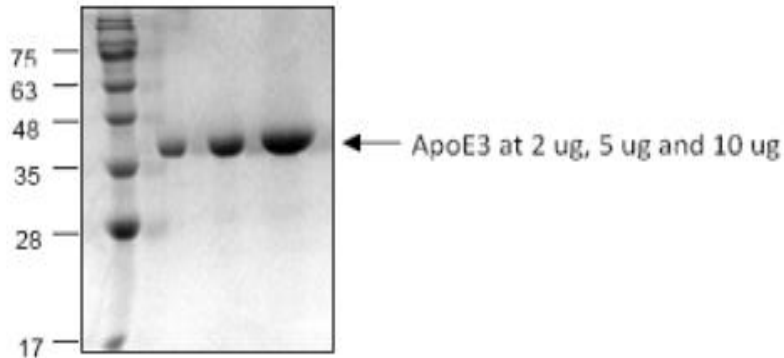
## APOE

### Recombinant Human Apolipoprotein E3

<b>Catalog No.</b>	CRA401A CRA401B CRA401C	<b>Quantity:</b>	50 µg 500 µg 1 mg
<b>Alternate Names:</b>	AD2, Apo-E, APOEA, Apolipoprotein E3		
<b>Description:</b>	<p>Apolipoprotein E (Apo-E) belongs to a group of proteins that bind reversibly with lipoprotein and play an important role in lipid metabolism. In addition to facilitating solubilization of lipids, these proteins help to maintain the structural integrity of lipoproteins, serve as ligands for lipoprotein receptors, and regulate the activity of enzymes involved in lipid metabolism. Apo-E exists in three major isoforms; E2, E3, and E4, which differ from one another by a single amino-acid substitution. E3 is the most common isoform and is present in 40-90% of the population.</p> <p>Recombinant human APOE3 contains 300 amino acid residues.</p>		
<b>Gene ID:</b>	348		
<b>Source:</b>	<i>E. coli</i>		
<b>Molecular Weight:</b>	34.0 kDa		
<b>Formulation:</b>	Sterile filtered and lyophilized from a buffer of 20 mM sodium phosphate		
<b>Purity:</b>	>90% as determined by SDS-PAGE and HPLC analyses		
<b>Endotoxin Level:</b>	<0.1 ng/µg of ApoE3		
<b>Amino Acid Sequence:</b>	MKVEQAVETE PEPQLRQTE WQSGQRWELA LGRFWDYLRW VQTLSEQVQE ELLSSQVTQE LRALMDETMK ELKAYKSELE EQLTPVAEET RARLSKELQA AQARLGADME DVCGRVLVQYR GEVQAMLGQS TEELRVRLAS HLRKLRKRL RDADDLQKRL AVYQAGAREG AERGLSAIRE RLGPLVEQGR VRAATVGSLA GQPLQERAQA WGERLRARME EMGSRTRDRL DEVKEQVAEV RAKLEEQAQQ IRLQAEAFQA RLKSWFEPLV EDMQRQWAGL VEKVQAAVGT SAAPVPSDNH		
<b>Reconstitution:</b>	<b>Centrifuge vial prior to opening.</b> Add 5 mM Sodium Phosphate, pH 7.8 + 0.5 mM DTT to the vial to fully solubilize the protein to a concentration of 0.1-1.0 mg/ml. After complete solubilization of the protein, it can be further diluted into other aqueous buffers.		
<b>Storage &amp; Stability:</b>	Store lyophilized protein at -20°C. Reconstituted protein is stable for 1 week at 4°C or in aliquots at -20°C for longer storage. <b>Avoid repeated freeze-thaw cycles.</b>		



SDS-PAGE of Recombinant Human Apo-E3



NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



**Cell Sciences®**  
480 Neponset Street  
Bldg 12A  
Canton, MA 02021

Toll Free: 888-769-1246  
Phone: 781-828-0610  
Fax: 781-828-0542

E-mail: [info@cellsciences.com](mailto:info@cellsciences.com)  
Website: [www.cellsciences.com](http://www.cellsciences.com)