

# Product Data Sheet

## Recombinant Human APOE Protein

Catalog #	Source	Reactivity	Applications
CRP1071	Human cells	Human	E, WB, SDS-PAGE, MS
Description	Recombinant Human APOE Protein is produced by our mammalian expression system and the target gene encoding Lys19-His317 is expressed with a 6His tag at the C-terminus.		
Form	Lyophilized from a 0.2 μM filtered solution of 20mM PB, 150mM NaCl, pH 7.4.		
Gene Symbol	APOE		
Alternative Names	Apolipoprotein E; Apo-E		
Entrez Gene	348 (Human)		
SwissProt	P02649 (Human)		
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure	KVEQAVETEP EPELRQQTEW QSGQRWELAL GRFWDYLRWV QTLSEQVQEE LLSSQVTQEL RALMDETMKE LKAYKSELEE QLTPVAEETR ARLSKELQAA QARLGADMED VCGRLVQYRG EVQAMLGQST EELRVRLASH LRKLRKRLLR DADDLQKRLA VYQAGAREGA ERGLSAIRER LGPLVEQGRV RAATVGSLAG QPLQERAQAW GERLRARMEE MGSRTDRDL EVKEQVAEVR AKLEEQAQQI RLQAEAFQAR LKSWFEPLVE DMQRQWAGLV EKVQAAVGTS AAPVPSDNHV DHHHHHHH		
Quality Control	Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.		
Directions for Use	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.		
Storage/Stability	Lyophilized protein should be stored at -20°C, though stable at room temperature		
Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference			
Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish			

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for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days.

Aliquots of reconstituted samples are stable at -20°C for 3 months.

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