

Product Data Sheet

Recombinant Human APOA1 Protein

Catalog #	Source	Reactivity	Applications
CRP1064	Human cells	Human	E, WB, SDS-PAGE, MS
Description	Recombinant Human APOA1 Protein is produced by our Mammalian expression system and the target gene encoding Arg19-Gln267 is expressed with a 6His tag at the C-terminus.		
Form	Lyophilized from a 0.2 μ M filtered solution of 20mM PB, 150mM NaCl, pH 7.2.		
Gene Symbol	APOA1		
Alternative Names	Apolipoprotein A-I; Apo-AI; ApoA-I; Apolipoprotein A1		
Entrez Gene	335 (Human)		
SwissProt	P02647 (Human)		
Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.		
Chemical Structure	RHFQQQDEPP QSPWDRVKDL ATVVYVDVLKD SGRDYVSQFE GSALGKQLNL KLLDNWDSVT STFSKLREQL GPVTQEFWDN LEKETEGLRQ EMSKDLEEVK AKVQPYLDDF QKKWQEEMEL YRQKVEPLRA ELQEGARQKL HELQEKLSPL GEEMRDRARA HVDALRTHLA PYSDELQRQL AARLEALKEN GGARLAEYHA KATEHLSTLS EKAKPAEDL RQGLLPVLES FKVSFLSALE EYTKKLNTQV DHHHHHHH		
Quality Control	Endotoxin: Less than 0.1 ng/ μ g (1 IEU/ μ g) 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 μ g/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 for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days.		

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

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