

Recombinant Human LCAT Protein

Catalog #	Source	Reactivity	Applications
CRP1881	Human cells	Human	E, WB, SDS-PAGE, MS
Description	Recombinant Human LCAT Protein is produced by our mammalian expression system and the target gene encoding Phe25-Glu440 is expressed with a 6His tag at the C-terminus.		
Form	Lyophilized from a 0.2 μM filtered solution of 50mM Acetate Buffer pH 4.0.		
Gene Symbol	LCAT		
Alternative Names	Phosphatidylcholine-sterol acyltransferase; Lecithin-cholesterol acyltransferase; Phospholipid-cholesterol acyltransferase		
Entrez Gene	3931 (Human)		
SwissProt	P04180 (Human)		
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure	FWLLNVLFPP HTTPKAELSN HTRPVILVPG CLGNQLEAKL DKPDVVNWMC YRKTEDEFFTI WLDLNMFLPL GVDCWIDNTR VVYNRSSGLV SNAPGVQIRV PGFGKTYSVE YLDSSKLAGY LHTLVQNLVN NGYVRDETNR AAPYDWRLEP GQQEEYYRKL AGLVEEMHAA YGKPVFLIGH SLGCLHLLYF LLRQPQAWKD RFIDGFISLG APWGGSIKPM LVLASGDNQG IPIMSSIKLK EEQRITTTSP WMFPSRMAWP EDHVFISTPS FNYTGRDFQR FFADLHFEEG WYMWLQSRDL LAGLPAPGVE VYCLYGVGLP TPRTYIYDHG FPYTDPVGVV YEDGDDTVAT RSTELCGLWQ GRQPQPVHLL PLHGIQHLNM VFSNLTLEHI NAILLGAYRQ GPPASPTASP EPPPPEVDHH HHHH		
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		

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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Product Data Sheet

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

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