



Recombinant Rat Apolipoprotein A-V (Apoa5)

Product Code	CSB-MP001917RA
Abbreviation	Apoa5
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q9QUH3
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	RKSFWEYFGQ NSQKGMMGQ QQKLAQESLK GSLEQDLYNM NNFLEKLGPL REPGKEPRL AQDPEGIRKQ LQEELEEVST RLEPYMAAKH QQVGNLEGL RQQLKPYTVE LMEQVGLSVQ DLQEQLRMVG KGTKAQLLGG VDEAMSLLD MQRVRLHHTD RVKELFHPYA ERLVTGIGHH VQELHRVAP HAVASPARLS RCVQTLSHKL TRKAKDLHTS IQRNLDQLRD ELSTFIRVST DGADNRDSDL PQALSDEVQR RLQAFRHDY LQIAAFTQAI DQETEEIQHQ LAPPPPSHA FAPELGHSDS NKALSRLQSR LDDLWEDIAY GLHDQGHSQN NPEGHSG
Source	Mammalian cell
Target Names	Apoa5
Protein Names	Recommended name: Apolipoprotein A-V Short name= Apo-AV Short name= ApoA-V Alternative name(s): Apolipoprotein A5 Regeneration-associated protein 3
Expression Region	21-367
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This protein is an apolipoprotein that plays an important role in regulating the plasma triglyceride levels, a major risk factor for coronary artery disease. It is a component of high density lipoprotein and is highly similar to a rat protein that is upregulated in response to liver injury. Mutations in this gene have been associated with hypertriglyceridemia and hyperlipoproteinemia type 5. This gene is located proximal to the apolipoprotein gene cluster on chromosome 11q23. Alternatively spliced transcript variants encoding the same protein have been identified.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final



concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

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