



# Recombinant Rat Apolipoprotein A-V (Apoa5)

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| <b>Product Code</b>      | CSB-EP001917RA-B   |
| <b>Abbreviation</b>      | Apoa5  |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>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.   |
| <b>Uniprot No.</b>       | Q9QUH3   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Rattus norvegicus (Rat)  |
| <b>Purity</b>            | >85% (SDS-PAGE)  |
| <b>Sequence</b>          | RKSFWEYFGQ NSQKGMMGQ QQKLAQESLK GSLEQDLYNM<br>NNFLEKLGPL REPGKEPPRL AQDPEGIRKQ LQQELEEVSST RLEPYMAAKH<br>QQVGNWLEGL RQQLKPYTVE LMEQVGLSVQ DLQEQLRMVG<br>KGTKAQLLGG VDEAMSLLD MQRVRLHHTD RVKELFHPYA ERLVTGIGHH<br>VQELHRVAV HAVASPARLS RCVQTLSHKL TRKAKDLHTS IQRNLDQLRD<br>ELSTFIRVST DGADNRDSDL PQALSDEVRR RLQAFRHDTY LQIAAFTQAI<br>DQETEEIQHQ LAPPPPSHSA FAPELGHSDS NKALSRLQSR LDDLWEDIAY<br>GLHDQGHSSQN NPEGHSG  |
| <b>Source</b>            | E.coli   |
| <b>Target Names</b>      | Apoa5  |
| <b>Protein Names</b>     | Recommended name: Apolipoprotein A-V Short name= Apo-AV Short name=<br>ApoA-V Alternative name(s): Apolipoprotein A5 Regeneration-associated protein<br>3  |
| <b>Expression Region</b> | 21-367   |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.  |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.  |
| <b>Protein Length</b>    | Full Length of Mature Protein  |
| <b>Target Details</b>    | 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. |
| <b>Reconstitution</b>    | 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.

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