

## Recombinant Mouse ApoA5 Protein, His-tagged

**Cat. No.** ApoA5-213M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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| <b>Product Overview</b> | Recombinant Mouse ApoA5 Protein (Arg21-Gly368) with N-His tag was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>ProteinLength</b>    | Arg21-Gly368                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Description</b>      | <p>Predicted to enable several functions, including cholesterol binding activity; enzyme activator activity; and heparin binding activity. Involved in acylglycerol homeostasis. Acts upstream of or within triglyceride metabolic process and triglyceride-rich lipoprotein particle remodeling. Predicted to be located in extracellular space.</p> <p>Predicted to be part of chylomicron; high-density lipoprotein particle; and very-low-density lipoprotein particle. Is expressed in lung. Human ortholog(s) of this gene implicated in cerebral infarction; coronary artery disease; familial hyperlipidemia (multiple); and type 2 diabetes mellitus. Orthologous to human APOA5 (apolipoprotein A5).</p> |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 39.23 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Purity</b>           | > 97%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>   | Positive Control; Immunogen; SDS-PAGE; WB.                                                                                                                                                                                                                                                                                                   |
| <b>Stability</b>      | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| <b>Storage</b>        | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.                                                                                                                                                                                                                 |
| <b>Storage Buffer</b> | PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.                                                                                                                                                                                                                                                                     |
| <b>Reconstitution</b> | Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.                                                                                                                                                                                                                                                            |

## GENE INFORMATION

|                        |                                                                                                                             |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | <a href="#">Apoa5 apolipoprotein A-V [ Mus musculus (house mouse) ]</a>                                                     |
| <b>Official Symbol</b> | <a href="#">Apoa5</a>                                                                                                       |
| <b>Synonyms</b>        | APOA5; apolipoprotein A-V; apo-AV; apoA-V; apolipoprotein A5; regeneration-associated protein 3; RAP3; Apoav; 1300007O05Rik |
| <b>Gene ID</b>         | <a href="#">66113</a>                                                                                                       |
| <b>mRNA Refseq</b>     | <a href="#">NM_080434</a>                                                                                                   |
| <b>Protein Refseq</b>  | <a href="#">NP_536682</a>                                                                                                   |
| <b>UniProt ID</b>      | <a href="#">Q8C7G5</a>                                                                                                      |

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