## PRODUCT INFORMATION

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| **Target** | APOE2 |
| **Synonyms** | APOE2 |
| **Description** | Recombinant human APOE2 Protein with C-terminal 6×His tag |
| **Delivery** | In Stock |
| **Uniprot ID** | P02649 |
| **Expression Host** | HEK293 |
| **Tag** | C-6×His tag |
| **Molecular Characterization** | APOE2(R176C)(Lys19-His317) 6×His tag |
| **Molecular Weight** | The protein has a predicted molecular mass of 35.0 kDa after removal of the signal peptide. The apparent molecular mass of APOE2-His is approximately 25-55 kDa due to glycosylation. |
| **Purity** | The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining. |
| **Formulation & Reconstitution** | Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution. |
| **Storage&Shipping** | Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature. |
| **Background** | The protein encoded by this gene is a major apoprotein of the chylomicron. It binds to a specific liver and peripheral cell receptor, and is essential for the normal catabolism of triglyceride-rich lipoprotein constituents. This gene maps to chromosome 19 in a cluster with the related apolipoprotein C1 and C2 genes. Mutations in this gene result in familial dysbetalipoproteinemia, or type III hyperlipoproteinemia (HLP III), in which increased plasma cholesterol and triglycerides are the consequence of impaired clearance of chylomicron and VLDL remnants. [provided by RefSeq, Jun 2016] |
| **Usage** | Research use only |
| **Conjugate** | Unconjugated |

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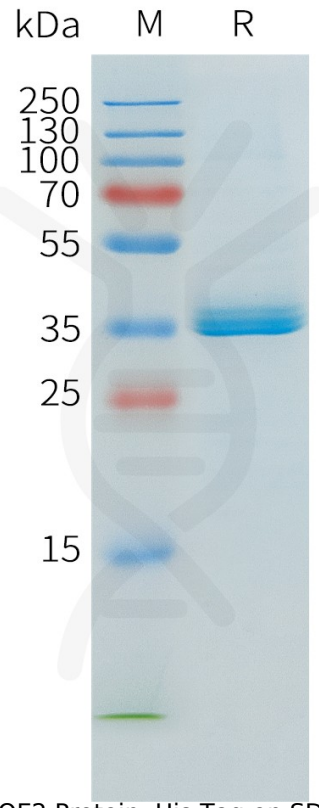



Figure 1. Human APOE2 Protein, His Tag on SDS-PAGE under reducing condition.

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