

Recombinant Rat Apoe Protein, His-tagged

Cat. No. Apoe-228R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Apoe Protein (Glu19-Arg168) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Glu19-Arg168
Description	Enables several functions, including amyloid-beta binding activity; hydroxyapatite binding activity; and phospholipid binding activity. Involved in several processes, including cellular response to alcohol; neurogenesis; and regulation of lipid metabolic process. Located in several cellular components, including late endosome; neuronal cell body; and nuclear envelope. Is extrinsic component of external side of plasma membrane. Part of several cellular components, including discoidal high-density lipoprotein particle; low-density lipoprotein particle; and triglyceride-rich plasma lipoprotein particle. Colocalizes with early endosome and microtubule. Used to study artery disease (multiple); familial hyperlipidemia; fatty liver disease (multiple); glomerulosclerosis; and middle cerebral artery infarction. Biomarker of several diseases, including glomerulonephritis (multiple); hyperhomocysteinemia; hypertension; sciatic neuropathy; and transient cerebral ischemia. Human ortholog(s) of this gene implicated in several diseases, including Alzheimer's disease (multiple); artery disease (multiple); biliary tract cancer (multiple); eye disease (multiple); and familial hyperlipidemia (multiple). Orthologous to human APOE (apolipoprotein E).

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Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 21.3 kDa Accurate Molecular Mass: \
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	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.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Apoe apolipoprotein E [Rattus norvegicus (Norway rat)]
Official Symbol	Apoe
Synonyms	APOE; apolipoprotein E; apo-E; APOEA
Gene ID	25728

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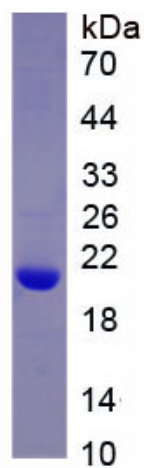
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mRNA Refseq [NM_138828](#)

Protein Refseq [NP_620183](#)

UniProt ID [P02650](#)



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