

**Recombinant Human Apolipoprotein E (APOE)**  
**Catalog # IC8704**

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

## **[ PROPERTIES ]**

**Source:** Prokaryotic expression

**Host:** E.coli

**Residues:** Lys19~Gln181

**Tags:** N-terminal His Tag

**Subcellular Location:** Secreted

**Purity:** > 90%

**Traits:** Freeze-dried powder

**Buffer formulation:** 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.

Original Concentration: 200µg/mL

**Applications:** Positive Control; Immunogen; SDS-PAGE; WB.

(May be suitable for use in other assays to be determined by the end user.)

**Predicted isoelectric point:** 6.1

**Predicted Molecular Mass:** 22.8kDa

**Accurate Molecular Mass:** 24kDa as determined by SDS-PAGE reducing conditions.

## **[ USAGE ]**

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## **[ STORAGE AND STABILITY ]**

**Storage:** Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

**Stability Test:** 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°C 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.



## [ SEQUENCE ]

KV EQAVETEPEP ELRQQTEWQS QQRWELALGR  
 FWDYLRWVQT LSEQVQEELL SSQVTQELRA LMDETMKELK AYKSELEEQL  
 TPVAEETRAR LSKELQAAQA RLGADMEDVC GRLVQYRGEV QAMLGQSTEE  
 LRVRLASHLR KLRKLLRDA DDLQKRLAVY Q

## [ IDENTIFICATION ]

2AAGGTGGAGCAGCGTGGAGACAGAGCCCGAGCCCGAGCTGCGCGAGCAGACCAAGTGGCAGAGCGGCCAGCCCTGGGAACTGGCACTGGGTGCTTTTGGGATTACCTGCGCTGGGTGCAGACACTGTCTGAGCAGGTGCAAGAGGAGCTGCTGAGCTCCCAAGT  
 K V E Q A V E T E P E P E L R Q Q T K V Q S G Q R W E L A L G R F W D Y L R W V Q T L S E Q V Q E E L L S S Q V

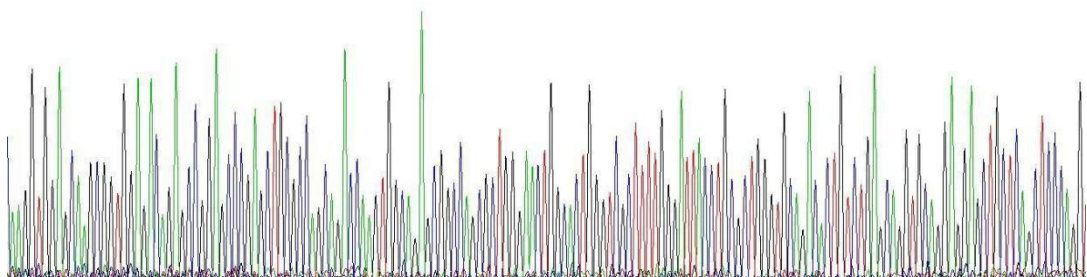


Figure. Gene Sequencing (Extract)

