

Product description

Human apolipoprotein E3 (APO-E3) was initially described as a lipid transport protein. Since then the role in several disease has been highlighted for all the three isoforms of Apo E (E2, E3, and E4). These isoforms differ for a single amino acid among each other with Apo E4 mainly involved in neurodegenerative diseases such as Alzheimer's disease (1).



Product name Human Apolipoprotein E-III



Catalog number AP237300

Uniprot ID P02649

Protein sequence

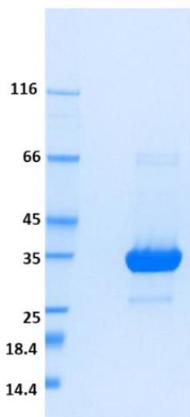
GKVEQAVETEPEPELRQQTEWQSGQRWELALGRFWDYLRWVQTLSEQVQEELLSSQVTQELRALMDETMKELKAYKSELEEQLTPVAEETR
ARLSKELQAAQARLGADMEDVCGRLVQYRGEVQAMLGQSTEELRVLASHLRKLRKRLRDADDLQKRLAVYQAGAREGAERGLSAIRERLG
PLVEQGRVRAATVGSAGQPLQERAQAWGERLRARMEEMGSRTRDRLDEVKEQVAEVRKLEEQAAQQIRLQAEAFQARLKSWFEPLVED
MQRQWAGLVEKVQAAVGTSAAPVPSDNH

Product features and protocols



Purity

>90%
as determined by SDS-PAGE



SDS-PAGE gel analysis of APO-E3 protein in Reducing/Heated conditions (RH) and stained with Coomassie blue.

Other features

Predicted MW	34.29 kDa
Expression System	<i>E. Coli</i>
Purification Tag	No tag
Protein content	Quantitation is carried out by Bradford protein assay using BSA as standard.
Formulation	Lyophilized from 50 mM Tris-HCl, 300 mM NaCl, 1 mM DTT, pH 8.0 buffer.

Product preparation

For product preparation we recommend the following steps:

1. Briefly centrifuge the tube before opening
2. Reconstitute by adding the appropriate volume of ultrapure water for a final concentration of 200 µg/ml (e.g. 50 µl for 10 µg or 250 µl for 50 µg conditioning)
3. Vortex gently to insure complete dissolution
4. Wait 15 minutes at Room temperature before proceeding further
5. Vortex gently again and centrifuge briefly

Product storage

The product is lyophilized and shipped at room temperature. **Store at -80 °C upon receipt.**

After reconstitution, the protein can be preserved at 4°C for a few weeks.

Avoid multiple freeze-thaw cycles



The product is intended for research use only. Not for diagnostic or therapeutic use.