Human Carboxypeptidase E/CPE (Fc Tag) recombinant protein

Catalog Number: 500041

General Information

Gene Name Synonym

Carboxypeptidase H; Enkephalin convertase; Prohormone-processing carboxypeptidase

Protein Construction

A DNA sequence encoding the human carboxypeptidase E (CPE) precursor (NP_001864.1) (Met 1-Ser 453) was expressed with the C-terminal fused Fc region of human IgG1.

Organism

Human

Expression Host

Human Cells

QC Testing

Purity

> 85 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μg of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70℃

Predicted N terminal

Glu 26

Molecular Mass

The recombinant human CPE/Fc is a disulfide-linked homodimeric protein. The reduced monomer consists of 666 amino acids and predicts a molecular mass of 74.6 kDa. As a result of glycosylation, the apparent molecular mass of rhCPE/Fc monomer is approximately 85-90 kDa in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile 100mM Glycine, 10mM NaCl, 50mM Tris, pH 7.5
1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

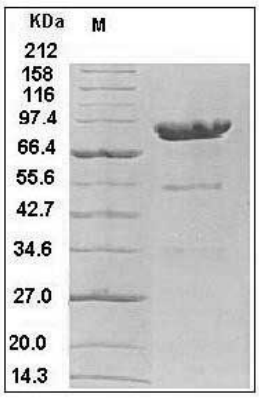
Storage

Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Human Carboxypeptidase E / CPE Protein (Fc Tag) SDS-PAGE