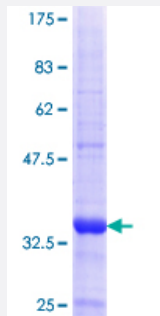


CPE (Human) Recombinant Protein (Q01)

Catalog # H00001363-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CPE partial ORF (NP_001864.1, 211 a.a. - 325 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	LLKNMKKIVDQNTKLAPETKAVIHWIMDIPFVLSANLHGGDLVANYPYDETRSGSAHEYSSSPDDAI FQSLARAYSSFNPA MSDPNRPPCRKNDDSSFVDGTTNGGAWYSVPGG
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	38.39
Interspecies Antigen Sequence	Mouse (96)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — CPE

Entrez GeneID [1363](#)

GeneBank Accession# [NM_001873](#)

Protein Accession# [NP_001864.1](#)

Gene Name CPE

Gene Alias -

Gene Description carboxypeptidase E

Omim ID [114855](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a carboxypeptidase that cleaves C-terminal amino acid residues and is involved in the biosynthesis of peptide hormones and neurotransmitters, including insulin. It is a peripheral membrane protein. The protein specifically binds regulated secretory pathway proteins, including prohormones, but not constitutively secreted proteins. Mutations in this gene are implicated in type II diabetes. [provided by RefSeq]

Other Designations -

Pathway

- [Type I diabetes mellitus](#)

Disease

- [Alzheimer disease](#)
- [Anorexia Nervosa](#)
- [Atherosclerosis](#)
- [Bulimia](#)
- [Cardiovascular Diseases](#)
- [Coronary Artery Disease](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypertrophy](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Tobacco Use Disorder](#)