

Product datasheet for AR50777PU-S

OriGene Technologies, Inc.

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Carboxypeptidase E (43-476, His-tag) Human Protein

Product data:

Product Type: Recombinant Proteins

Description: Carboxypeptidase E (43-476, His-tag) human recombinant protein, 0.1 mg

Species: Human
Expression Host: E. coli

Expression cDNA Clone

MGSSHHHHHH SSGLVPRGSH MGSLQQEDGI SFEYHRYPEL REALVSVWLQ CTAISRIYTV

or AA Sequence: GRSFEGRELL VIELSDNPGV HEPGEPEFKY IGNMHGNEAV GRELLIFLAQ YLCNEYQKGN ETIVNLIHST

RIHIMPSLNP DGFEKAASQP GELKDWFVGR SNAQGIDLNR NFPDLDRIVY VNEKEGGPNN HLLKNMKKIV DQNTKLAPET KAVIHWIMDI PFVLSANLHG GDLVANYPYD ETRSGSAHEY SSSPDDAIFQ SLARAYSSFN PAMSDPNRPP CRKNDDDSSF VDGTTNGGAW YSVPGGMQDF NYLSSNCFEI TVELSCEKFP PEETLKTYWE DNKNSLISYL EQIHRGVKGF VRDLQGNPIA NATISVEGID

HDVTSAKDGD YWRLLIPGNY KLTASAPGYL AITKKVAVPY SPAAGVDFEL ESFSERKEEE

KEELMEWWKM MSETLNF

Tag: His-tag

Predicted MW: 51.4 kDa

Concentration: lot specific

Purity: >85% by SDS - PAGE

Buffer: Presentation State: Purified

State: Liquid purified protein

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1 mM

DTT

Preparation: Liquid purified protein

Protein Description: Recombinant human CPE protein, fused to His-tag at N-terminus, was expressed in E.coli.

Storage: Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid

repeated freezing and thawing.

Stability: Shelf life: one year from despatch.

RefSeq: NP 001864

Locus ID: 1363

UniProt ID: P16870, A0A384N679





Cytogenetics: 4q32.3

Synonyms: CPH; IDDHH

Summary: This gene encodes a member of the M14 family of metallocarboxypeptidases. The encoded

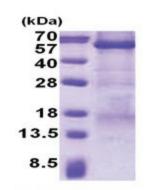
preproprotein is proteolytically processed to generate the mature peptidase. This peripheral membrane protein cleaves C-terminal amino acid residues and is involved in the biosynthesis of peptide hormones and neurotransmitters, including insulin. This protein may also function independently of its peptidase activity, as a neurotrophic factor that promotes neuronal survival, and as a sorting receptor that binds to regulated secretory pathway proteins, including prohormones. Mutations in this gene are implicated in type 2 diabetes. [provided

by RefSeq, Nov 2015]

Protein Families: Druggable Genome, Protease, Secreted Protein

Protein Pathways: Type I diabetes mellitus

Product images:



15% SDS-PAGE (3ug)