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Product datasheet for AR50777PU-N

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

Product data:

Product Type:	Recombinant Proteins
Description:	Carboxypeptidase E (43-476, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSLQQEDGI SFEYHRYPEL REALVSVWLQ CTAISRIYTV 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

View online »

Cytogenetics: 4q32.3

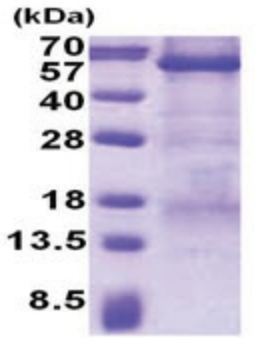
Synonyms: CPH; IDDHH

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)