

Product datasheet for **TP721092**

Carboxypeptidase H (CPE) (NM_001873) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human carboxypeptidase E (CPE)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	Arg42-Ser453
Tag:	C-His
Predicted MW:	47.1 kDa
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Provided lyophilized from a 0.2 μ m filtered solution of 20 mM Tris-HCl, 150 mM NaCl
Endotoxin:	Endotoxin level is < 0.1 ng/ μ g of protein (< 1 EU/ μ g)
Storage:	Store at -80°C.
Stability:	Stable for at least 3 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_001864
Locus ID:	1363
UniProt ID:	P16870 , A0A384N679
RefSeq Size:	2443
Cytogenetics:	4q32.3
RefSeq ORF:	1428
Synonyms:	CPH; IDDHH



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Summary:	This gene encodes a member of the M14 family of metalloproteases. 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