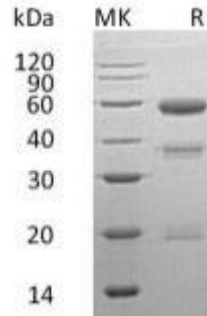


Recombinant Human CPE

Catalog#:P01935 Derived from Human Cells

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| DESCRIPTION | <p>Recombinant Human Carboxypeptidase E is produced by our Mammalian expression system and the target gene encoding Arg42-Ser453 is expressed with a 6His tag at the C-terminus.</p> <p>Accession#: P16870</p> <p>Known as: Carboxypeptidase E(CPE for short); Carboxypeptidase H; Enkephalin convertase; Prohormone- processing carboxypeptidase</p> |
| FORMULATION | Supplied as a 0.2 μ m filtered solution of 20mM Tris- HCl, 150mM NaCl, 1mM ZnCl ₂ , 10% Glycerol, pH 7.5. |
| SHIPPING | The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below. |
| STORAGE | Store at \leq -70°C, stable for 6 months after receipt. Store at \leq -70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles. |
| QUALITY CONTROL | <p>Mol Mass:47.2kDa AP Mol Mass:50-60kDa, reducing conditions.</p> <p>Purity: Greater than 95% as determined by reducing SDS-PAGE.</p> <p>Endotoxin: Less than 0.1 ng/μg (1 EU/μg) as determined by LAL test.</p> |
| BACKGROUND | The active form of CPE cleaves C-terminal amino acid residues of the peptide, and is thus involved in the biosynthesis of peptide hormones and neurotransmitters including insulin, enkephalin, etc. It is thought that membrane-associated CPE acts as a sorting receptor for targeting regulated secretory proteins which are mostly prohormones and neuropeptides in the trans-Golgi network of the pituitary and in secretory granules into the secretory pathway. Defects in this protein are implicated in type II diabetes due to impaired glucose clearance and insulin resistance. |
|  <p>SDS-PAGE</p> | |