



Recombinant Protein Technical Manual  
Recombinant Mouse Cathepsin E/CTSE Protein (aa  
60-397, His Tag)  
RPES5132

### Product Data:

**Product SKU:** RPES5132

**Size:** 10µg

**Species:** Mouse

**Expression host:** Human Cells

**Uniprot:** NP\_031825.2

### Protein Information:

**Molecular Mass:** 37.0 kDa

**AP Molecular Mass:** 42 kDa

**Tag:** C-6His

**Bio-activity:**

**Purity:** > 95 % as determined by SDS-PAGE

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**Storage:** Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

**Formulation:** Lyophilized from a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.4.

**Reconstitution:** Please refer to it for detailed information.

**Application:**

**Synonyms:** Cathepsin E; ctse; CE

## Immunogen Information:

**Sequence:** Ser60-Pro397

## Background:

Cathepsin E is encoded by the ctse gene, exists in the homodimer forms, belongs to the peptidase A1 family. Cathepsin E high expressed in the stomach, clara cells and alveolar macrophages of lung, brain microglia, spleen and activated B-lymphocytes. Cathepsin E may involve in the processing of antigenic peptides during MHC class II-mediated antigen presentation, play a role in activation-induced lymphocyte depletion in the thymus, and in neuronal degeneration and glial cell activation in the brain.