



Recombinant Protein Technical Manual
Recombinant Rat Cathepsin E/CTSE Protein (His Tag)
RPES3119

Product Data:

Product SKU: RPES3119

Size: 10µg

Species: Rat

Expression host: HEK293 Cells

Uniprot: AAH62002.1

Protein Information:

Molecular Mass: 42.1 kDa

AP Molecular Mass:

Tag: C-His

Bio-activity:

Purity: > 90 % as determined by SDS-PAGE

Endotoxin: < 1.0 EU per µg protein 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 sterile 12.5 mM MES, 75 mM NaCl, 50 % glycerol, pH 6.5

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Cathepsin E;CTSE

Immunogen Information:

Sequence: Met1-Pro398

Background:

Cathepsin E Protein (CTSE Protein) is a member of the peptidase C1 family that is a gastric aspartic protease that functions as a disulfide-linked homodimer. Cathepsin E Protein (CTSE Protein) is predominantly present in the cells of immune system and is frequently implicated in antigen processing via the MHC class II pathway which however does not appear to be involved in the digestion of dietary protein. The protein has a specificity similar to that of pepsin and pepsin. Cathepsin E Protein (CTSE Protein) is found in highest concentration in the surface of epithelial mucus-producing cells of the stomach and also been found in more than half of the gastric cancers. It appears, therefore, to be an oncofetal antigen.