



Recombinant Protein Technical Manual  
Recombinant Mouse Cathepsin H/CTSH Protein (aa  
21-333, His Tag)  
RPES0802

### Product Data:

**Product SKU:** RPES0802

**Size:** 10µg

**Species:** Mouse

**Expression host:** HEK293 Cells

**Uniprot:** AAA82966.1

### Protein Information:

**Molecular Mass:** 36.6 kDa

**AP Molecular Mass:**

**Tag:** C-His

**Bio-activity:**

**Purity:** > 90 % as determined by SDS-PAGE

**Endotoxin:** < 1.0 EU per µg of the 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 PBS, pH 7.4

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

**Application:**

**Synonyms:** Pro-cathepsin H; CTSH; ACC-4; ACC-5; aleurain; cathepsin B3; cathepsin BA; cathepsin H; CPSB; minichain; N-benzoylarginine-beta-naphthylamide hydrolase

## Immunogen Information:

**Sequence:** Ala21-Val333

## Background:

Proinflammatory cytokines decreased the expression of CTSH in human islets and primary rat beta-cells, and overexpression of CTSH protected insulin-secreting cells against cytokine-induced apoptosis.