



# Recombinant Protein Technical Manual

## Recombinant Mouse CPA2 Protein (His Tag)

RPES4933

### Product Data:

**Product SKU:** RPES4933

**Size:** 10µg

**Species:** Mouse

**Expression host:** Human Cells

**Uniprot:** Q504N0

### Protein Information:

**Molecular Mass:** 46.2 kDa

**AP Molecular Mass:** 41-50 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 TrisHCl, 150mM NaCl, pH8.0.

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

**Application:**

**Synonyms:** CPA2;Carboxypeptidase A2

## Immunogen Information:

**Sequence:** Gln17-Tyr417

## Background:

Mouse carboxypeptidase A2(CPA2) is a secreted pancreatic procarboxy -peptidase which belongs to the peptidase M14 family. CPA2 consists of a signal peptide, a pro region and a mature chain. It can be activated after cleavage of the pro peptide. CPA2 cleaves the C-terminal amide or ester bond of peptides that have a free C-terminal carboxyl group. The hydrolytic action of CPA2 was identified with a preference towards long substrates with aromatic amino acids in their C-terminal end, particularly tryptophan.