



# Recombinant Protein Technical Manual

## Recombinant Human CPVL/VCP-Like Protein (His Tag)

RPES2667

### Product Data:

**Product SKU:** RPES2667

**Size:** 10µg

**Species:** Human

**Expression host:** Human Cells

**Uniprot:** Q9H3G5

### Protein Information:

**Molecular Mass:** 52.9 kDa

**AP Molecular Mass:** 55 kDa

**Tag:** C-6His

**Bio-activity:**

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

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

**Storage:** Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

**Shipping:** This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

**Formulation:** Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 150mM NaCl, 10% Glycerol, pH 7.5.

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

**Application:**

**Synonyms:** Probable serine carboxypeptidase CPVL; Carboxypeptidase vitellogenic-like; Vitellogenic carboxypeptidase-like protein; VCP-like protein; CPVL

## Immunogen Information:

**Sequence:** Leu23-Gly476

## Background:

Probable serine carboxypeptidase CPVL, also known as Carboxypeptidase, vitellogenic-like, Vitellogenic carboxypeptidase-like protein, is a member of the peptidase S10 family. It is expressed in macrophages but not in other leukocytes. And specifically, it is abundantly expressed in heart and kidney, also expressed in spleen, leukocytes, and placenta. This enzyme may be involved in the digestion of phagocytosed particles in the lysosome, and also participation in an inflammatory protease cascade, and trimming of peptides for antigen presentation.