**Product Name: Recombinant Human VCP (C-6His)**
**Catalog #: PEH1799**

## Summary

| | |
|---|---|
| **Name** | Valosin-containing protein/VCP |
| **Purity** | Greater than 95% as determined by reducing SDS-PAGE |
| **Endotoxin level** | <1 EU/μg as determined by LAL test. |
| **Construction** | Recombinant Human Valosin-Containing Protein is produced by our E.coli expression system and the target gene encoding Ala2-Asn589 is expressed with a 6His tag at the C-terminus. |
| **Accession #** | P55072 |
| **Host** | E.coli |
| **Species** | Human |
| **Predicted Molecular Mass** | 66.3 KDa |
| **Formulation** | Supplied as a 0.2 μm filtered solution of 50mM Tris-HCl, pH 8.0. |
| **Shipping** | The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below. |
| **Stability&Storage** | Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles. |
| **Reconstitution** | |

## SDS-PAGE image

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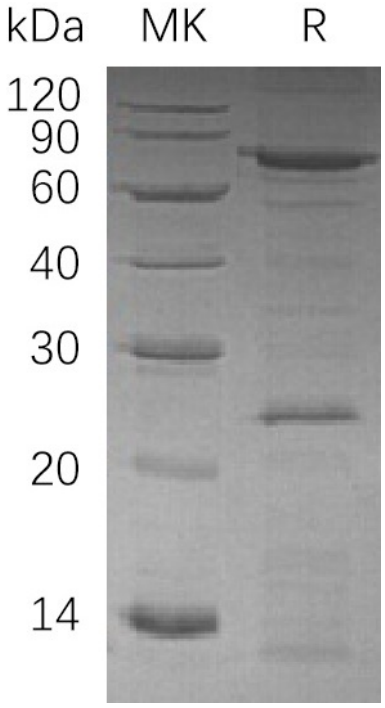


## Alternative Names

Transitional Endoplasmic Reticulum ATPase; TER ATPase; 15S Mg(2+)-ATPase p97 Subunit; Valosin-Containing Protein; VCP

## Background

Valosin-Containing Protein (VCP) is a nuclear protein that belongs to the AAA ATPase family. VCP is a putative ATP-binding protein involved in vesicle transport and fusion, 26S proteasome function, and assembly of peroxisomes. It is necessary for the fragmentation of Golgi stacks during mitosis and their reassembly after mitosis. VCP has been implicated in a number of cellular events that are regulated during mitosis, including homotypic membrane fusion, spindle pole body function, and ubiquitin-dependent protein degradation. VCP participates in the formation of the transitional endoplasmic reticulum (tER) and regulates E3 ubiquitin-protein ligase activity of RNF19A.

## Note

For Research Use Only , Not for Diagnostic Use.