



Recombinant Protein Technical Manual

Recombinant Human VCP Protein (His Tag)

RPES2399

Product Data:

Product SKU: RPES2399

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: P55072

Protein Information:

Molecular Mass: 66.4 kDa

AP Molecular Mass: 25&80 kDa

Tag: C-6His

Bio-activity:

Purity: > 85 % 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 50mM TrisHCl, pH8.0.

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

Application:

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

Immunogen Information:

Sequence: Ala2-Asn589

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.