

Recombinant Human VCP Protein (His Tag)

Catalog No. PKSH033203

Note: Centrifuge before opening to ensure complete recovery of vial contents.

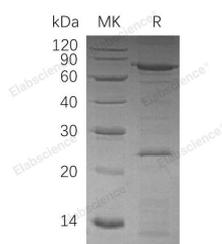
Description

Synonyms	Transitional Endoplasmic Reticulum ATPase;TER ATPase;15S Mg(2+)-ATPase p97 Subunit;Valosin-Containing Protein;VCP
Species	Human
Expression Host	E.coli
Sequence	Ala2-Asn589
Accession	P55072
Calculated Molecular Weight	66.3 kDa
Observed molecular weight	75 kDa
Tag	C-His
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein 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 Tris-HCl, pH8.0.
Reconstitution	Not Applicable

Data



> 95 % as determined by reducing SDS-PAGE.

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

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endoplasmic reticulum (tER) and regulates E3 ubiquitin-protein ligase activity of RNF19A.