

Recombinant Human VCP Protein (His Tag)

Catalog Number: PKSH033203

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

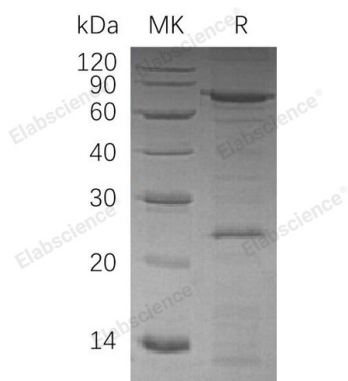
Description

Species	Human
Source	E.coli-derived Human VCP protein Ala2-Asn589, with an C-terminal His
Calculated MW	66.3 kDa
Observed MW	75 kDa
Accession	P55072
Bio-activity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Concentration	Subject to label value.
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.

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