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Datasheet for ABIN7319166 VCP Protein (His tag)

Overview

Quantity:	50 µg
Target:	VCP
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This VCP protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human VCP Protein (His Tag)
Sequence:	Ala2-Asn589
Characteristics:	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.
Purity:	> 85 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	VCP
Alternative Name:	VCP (VCP Products)
Background:	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

Target Details

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.

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

Molecular Weight: 66.4 kDa

UniProt: [P55072](#)

Pathways: [ER-Nucleus Signaling](#), [Positive Regulation of Endopeptidase Activity](#), [Ubiquitin Proteasome Pathway](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of 50 mM TrisHCl, pH 8.0.

Storage: -20 °C

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