

## 32-8164: Recombinant Human Valosin-Containing Protein/VCP (C-6His)

**Gene :** VCP  
**Gene ID :** 7415  
**Uniprot ID :** P55072

### Description

Source: E. coli.  
MW :66.4kD.

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. 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 50mM TrisHCl,pH8.0.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** ASGADSKGDDLSTAILKQKNRPNRLIVDEAINEDNSVVLSLQPKMDELQFRGDTVLLKGKKRREAVCIVLSDD  
TCSDEKIRMNRVVRNLRVRLGDVISIQPCPDVKYGGKRIHVLPIDDTVEGITGNLFEVYLKPYFLEAYRPIRKGDI  
LVRGGMRAVEFKVVETHPSYCVAPDVIHCEGEPIKREDEEESLNEVGYDDIGGCRKQLAQIKEMVELPLRHP  
ALFKAIGVKPPRGILLYGPPGTGKTLIARAVANETGAFFFLINGPEIMSKLAGESESNLKAFEEAEKNAPAIIFIDEL  
DAIAPKREKTHGEVERRIVSLLTMDGLKQRAHVIVMAATNRPNSIDPALRRFGRFDREVDIGIPDATGRLEILQ  
IHTKNMKLADDVDLEQVANETHGHVGADLAALCSEALQAIRKKMDLIDLEDETIDAEMNSLAVTMDDFRW  
ALSQSNPSALRETVVEVPQVTWEDIGGLEDVKRELQELVQYPVEHPDKFLKFGMTPSKGVLFYGGPGCGKTLA  
KAIANECQANFISIKPELLTMWFGSEANVREIFDKARQAAPCVLFFDELDSIAKARGGNVEHHHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.