

VCP recombinant protein

VCP, Active

CATALOG # AAA74111	HOST Sf9 insect cells	APPLICATIONS ELISA
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PRODUCT SYNONYMS

VCP; Active; ALS14; CMT2Y; HEL-220; HEL-S-70; IBMPFD; IBMPFD1; p97; TERA; VCP recombinant protein

PRODUCT SPECIFICATIONS

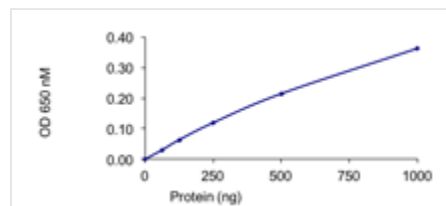
Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Applicable Applications for VCP recombinant protein	ELISA
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



SDS-PAGE

Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.



Activity

Specific Activity: Sample Kinase Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for VCP recombinant protein	Recombinant full-length human VCP was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_007126. VCP (valosin-containing protein or transitional endo-plasmic reticulum ATPase) is a hexameric ATPase. Like many other members of the AAA (ATPases associated with diverse cellular activities) family, it uses the energy of ATP hydrolysis to structurally remodel client molecules. VCP facilitates the degradation of polyubiquitylated substrates in the proteasome. VCP/p97 has also been linked to various membrane trafficking processes, including Golgi reassembly following mitosis.
Product Categories/Family for VCP recombinant protein	GTPases & ATPases; Cellular Stress; Inflammation; Neurobiology

References

1. Meyer H, et al: The VCP/p97 system at a glance: connecting cellular function to disease pathogenesis. J Cell Sci. 2014 Sep 15;127(Pt 18):3877-83.
2. Erzberger JP, et al: Evolutionary relationships and structural mechanisms of AAA+ proteins. Annu Rev Biophys Biomol Struct. 2006;35:93-114.
3. Meyer HH. Golgi reassembly after mitosis: the AAA family meets the ubiquitin family. Biochim Biophys Acta. 2005 Jun 30;1744(2):108-19. Review. Erratum in: Biochim Biophys Acta. 2005 Dec 15;1746(2):169.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #

[NM_007126](#)

Molecular Weight

120kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/vcp-recombinant-protein-sf9-insect-cells-elisa/74111>