

## VCP recombinant protein

Recombinant Human VCP Protein

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                  |
|-----------|--------|------------|-------------------------------|
| AAA263303 | E Coli | Human      | SDS-Page, Western Blot, ELISA |

### PRODUCT SYNONYMS

VCP; Recombinant Human VCP Protein; Transitional endoplasmic reticulum ATPase; TER ATPase; 15S Mg(2+)-ATPase p97 subunit; Valosin-containing protein; VCP recombinant protein

### PRODUCT SPECIFICATIONS

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                | E Coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Reactivity                                          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Purity/Purification                                 | Greater than 95% as determined by reducing SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Form/Format                                         | Supplied as a 0.2 uM filtered solution of 50mM Tris-HCl, pH 8.0.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Sequence                                            | ASGADSKGDD LSTAILKQKN RPNRLIVDEA INEDNSVSL SQPKMDELQL FRGDTVLLKG KKRREAVCIV<br>LSDDTCSDEK IRMNRVVRNN LRVR LGDVIS IQPCPDVKYK KRIHVLPIDD TVEGITGNLF EVYLPYFLE<br>AYRPIRKGDI FLVRGGMRV EFKVVETHPS PYCIVAPDTV IHCEGEPIKR EDEEESLNEV GYDDIGGCRK<br>QLAQIKEMVE LPLRHPALFK AIGVKPPRGI LLYGPPGTGK TLIARAVANE TGAFFFLING PEIMSKLAGE<br>SESNLKAFE EAEKNAPAI FIDELDAIAP KREKTHGEVE RRIVSQLLTL MDGLKQRAHV IVMAATNRPN<br>SIDPALRRFG RFDREVDIGI PDATGRLEIL QIHTKNMKLA DDVDLEQVAN ETHGHVGADL AALCSEALQ<br>AIRKKMDLID LEDETIDAEV MNSLAVTMDD FRWALSQSNP SALRETVVEV PQVTWEDIGG LEDVKRELQE<br>LVQYPVEHPD KFLKFGMTPS KGVLFYGPPG CGKTL LAKAI ANECQANFIS IKGPELLTMW FGESEANVRE<br>IFDKARQAAP CVLFFDELDS IAKARGGNVE HHHHHH |
| Sequence Length                                     | 806                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Applicable Applications for VCP recombinant protein | MS (Mass Spectrometry), SDS-PAGE, WB (Western Blot), ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Endotoxin                                           | Less than 0.1 ng/ug (1 IEU/ug) as determined by LAL test.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Directions for Use                                  | Always centrifuge tubes before opening. It is recommended that the protein be aliquotted for optimal storage. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Preparation and Storage                             | Store at -20°C to -80°C for one year.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

### ADDITIONAL INFORMATION

|                                                         |                                                                                                                                                                    |
|---------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for VCP recombinant protein | Recombinant Human VCP 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. |
|---------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### NCBI AND UNIPROT INFORMATION

|                           |                                                |
|---------------------------|------------------------------------------------|
| NCBI GI #                 | 6005942                                        |
| NCBI GeneID               | 7415                                           |
| NCBI Accession #          | NP_009057.1                                    |
| NCBI GenBank Nucleotide # | NM_007126.3                                    |
| UniProt Accession #       | P55072; Q0V924; Q2TAI5; Q969G7; Q9UCD5; B2R5T8 |

|                                  |                                                             |
|----------------------------------|-------------------------------------------------------------|
| NCBI Official Full Name          | transitional endoplasmic reticulum ATPase                   |
| NCBI Official Synonym Full Names | valosin containing protein                                  |
| NCBI Official Symbol             | VCP                                                         |
| NCBI Official Synonym Symbols    | p97; TERA; ALS14; CMT2Y; IBMPFD; HEL-220; IBMPFD1; HEL-S-70 |
| NCBI Protein Information         | transitional endoplasmic reticulum ATPase                   |
| UniProt Protein Name             | Transitional endoplasmic reticulum ATPase                   |
| UniProt Gene Name                | <b>VCP</b>                                                  |
| UniProt Synonym Gene Names       | TER ATPase; VCP                                             |
| UniProt Entry Name               | TERA_HUMAN                                                  |

**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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/vcp-recombinant-protein-e-coli-ms-mass-spectrometry-sds-page-wb-western-blot-elisa/263303>