

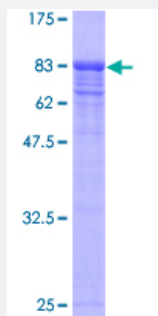
Full-Length

VCP (Human) Recombinant Protein (P01)

Catalog # H00007415-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human VCP full-length ORF (AAH07562, 1 a.a. - 588 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MVELPLRHPALFKAIGVKPPRGILLYGPPGTGKTLIARAVANETGAFFFLINGPEIMSKLAGESES
NL RKAEEEEAEKNAPAIIFIDELDAIPKREKTHGEVERRIVSQLLTLMDGLKQRAHVVMMAATNRPNSID
PALRRFGRFDREVDIGIPDATGRLEILQIHTKNMKLADDVDLEQVANETHGHVGADLAALCSEAAL
QAIRKKMDLIDLEDETIDAEVMNSLAVTMDDFRWALSQSNPSALRETVVEVPQVTWEDIGGLEDV
KRELQELVQYPVEHPDKFLKFGMTPSKGVLFYGPFGCGKTLAKAIAANECQANFISIKGPELLTMW
FGESEANVREIFDKARQAAPCVLFFDELDSIAKARGGNIGDGGGAADRVINQILTEMDGMSTKKN
VFIIATNRPDIIDPAILRPGRLDQLYMLPDEKSRVAILKANLRKSPVAKDVDLEFLAKMTNGFSGA
DLTEICQRACKLAIESIESEIRRERERQTNPSAMEVEEDDPVPEIRRDHFEEAMRFARRSVSDND
IRKYEMFAQTLQQSRGFGSFRFSPGNQGGAGPSQGSGGGTGGSVYTEDNDDDLYG

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

90.42

Interspecies Antigen Sequence

Mouse (100); Rat (99)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — VCP

Entrez GeneID	7415
GeneBank Accession#	BC007562
Protein Accession#	AAH07562
Gene Name	VCP
Gene Alias	IBMPFD, MGC131997, MGC148092, MGC8560, TERA, p97
Gene Description	valosin-containing protein
Omim ID	167320 601023
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of a family that includes putative ATP-binding proteins involved in vesicle transport and fusion, 26S proteasome function, and assembly of peroxisomes. This protein, as a structural protein, is associated with clathrin, and heat-shock protein Hsc70, to form a complex. It 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. [provided by RefSeq]
Other Designations	transitional endoplasmic reticulum ATPase yeast Cdc48p homolog

Disease

- [Amyotrophic Lateral Sclerosis](#)
- [Cardiovascular Diseases](#)
- [Dementia](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)