

## Product datasheet for PH311130

### VCP (NM\_007126) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	VCP MS Standard C13 and N15-labeled recombinant protein (NP_009057)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC211130
Predicted MW:	89.3 kDa
Protein Sequence:	>RC211130 protein sequence Red=Cloning site Green=Tags(s)
	MASGADSKGDDLSTAILKQKNRPNRLIVDEAINEDNSVSVLSQPKMDELQLFRGDTVLLKGKRRREAVCI VLSDDTCSDEKIRMNRVVRNLRVRLGDVVISIQPCPDVKYGKRIHVLPIDDTVEGITGNLFEVYLYKPYFL EAYRPIRKGDIFLVRGGMRAVEFKVVETDPSYCVIAPDVIHCEGEPIKREDEEESLNEVGYYDDIGGCR KQLAQIKEMVELPLRHPALFKAIGVKPPRGILLYGPPTGKTLIARAVANETGAFFFLINGPEIMSKLAG ESESNLKAFEEAEKNAPAIIFIDELDAIAPKREKTHGEVERRIVSLLTMDGLKQRAHVIVMAATNRP NSIDPALRRFGRFDREVDIGIPDATGRLEILQIHTKNMKLADDVDLEQVANETHGHVADLAALCSEAL QAIRKKMDLIDLEDETIDAEVMNSLAVTMDDFRWALSQSNPSALRETVVEVPQVTWEDIGGLEDVKRELQ ELVQYPVEHPDKFLKFGMTPSKGVLFYGPFGCGKTLAKAIANECQANFISIKGPELLTMWFGESEANVR EIFDKARQAAPCVLFFDELDSIAKARGGNIIDGGGAADRVINQILTEMDGMSTKKNVFIIGATNRPDIID PAILRPGRLDQLIYIPLPDEKSRVAILKANLRKSPVAKVDVLEFLAKMTNGFSGADLTEICQACKLAIR ESIESEIRRERERQTNPSAMEVEEDDPVPEIRRDHFEEAMRFARRSVSDNDIRKYEMFAQTLQQRSGFGS FRFPSGNQGGAGPSQGGGGTGGSVYTEDNDDDLYG
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_009057</a>

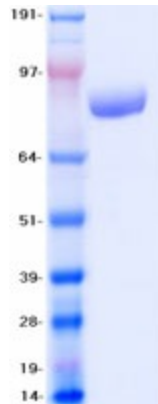


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RefSeq Size:	3859
RefSeq ORF:	2418
Synonyms:	CDC48; FTDALS6; p97; TERA
Locus ID:	7415
UniProt ID:	<a href="#">P55072</a> , <a href="#">V9HW80</a>
Cytogenetics:	9p13.3

**Summary:** This gene encodes a member of the AAA ATPase family of proteins. The encoded protein plays a role in protein degradation, intracellular membrane fusion, DNA repair and replication, regulation of the cell cycle, and activation of the NF-kappa B pathway. This protein forms a homohexameric complex that interacts with a variety of cofactors and extracts ubiquitinated proteins from lipid membranes or protein complexes. Mutations in this gene cause IBMPFD (inclusion body myopathy with paget disease of bone and frontotemporal dementia), ALS (amyotrophic lateral sclerosis) and Charcot-Marie-Tooth disease in human patients. [provided by RefSeq, Aug 2017]

### Product images:



Coomassie blue staining of purified VCP protein (Cat# [TP311130]). The protein was produced from HEK293T cells transfected with VCP cDNA clone (Cat# [RC211130]) using MegaTran 2.0 (Cat# [TT210002]).