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Product datasheet for RC211130L3V

VCP (NM_007126) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	VCP (NM_007126) Human Tagged ORF Clone Lentiviral Particle
Symbol:	VCP
Synonyms:	CDC48; FTDALS6; p97; TERA
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_007126
ORF Size:	2418 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC211130).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_007126.2
RefSeq Size:	3859 bp
RefSeq ORF:	2421 bp
Locus ID:	7415
UniProt ID:	P55072
Cytogenetics:	9p13.3
Domains:	cdc48_N, AAA, AAA
MW:	89.3 kDa

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Gene 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]