

Product datasheet for **TP510626**

Vac14 (NM_146216) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse Vac14 homolog (<i>S. cerevisiae</i>) (Vac14), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR210626 representing NM_146216 Red =Cloning site Green =Tags(s)

MNPEKDFAPLTPNIVRALNDKLYEKRVAALEIEKLVRFVFAQNNTMQIKHVIQTLSEQEFALSQHPHSRK
GGLIGLAACSIALGKDSGLYLKELIEPVLTFCFNDADSRRLRYACEALYNIVKVARGAVLPHFNVLFDGLS
KLAADDPDPNVKSGSELLDRLLKDIVTESSKFDLVSFIPLLRERIYSNNQYARQFIISWILVLSVDPDINL
LDYLPEILDGLFQILGDNGKEIRKMCEVVLGFEFLKEIKNPSSVKFAEMANILVIHCQTDDLIQLTAMC
WMREFIQLAGRVMLPYSSGILTAVLPCLAYDDRKKSKEVANVCNQSLMKLVTPEDDEPDEPKSVAQKQT
EPNPEDSLPKQEGTASGGPGSCDSSFSGINVFTSANTDRAPVTLHLDGIVQVLNCHLSDDTTIGMMTRIA
VLKWLHYLIYIKTPRKMFRHTDSLFPILLQTLSDSEDEVVLKDLEVLAEIASSPAGQTDDPGAPDGPDLRV
NHSELQVPTSGRANLLNPPSTKGLEGSPSTPTMNSYFYKFMINLLQTFSSERKLEARGPFIIRQLCLLL
NAENIFHSMADILLREEDLKFASTMVHTLNTILLTSTELFQLRNQLKDLQTPESQNLFCCLYRSWCHNPV
TTVSLCFLTQNYRHAYDLIQKFGDLEVTVDLFLTEVDKLVQLIECPIFTYLRLLQLLDVKNPNPYLIKALYGL
LMLLPQSSAFQLLSHRLQCVNPPELLQTEDCLKAAPKSQKGDSPSIDYTELLQHFKEVQKQHLEVRHQRS
GRGDHLDRRVIL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	88.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_666328
Locus ID:	234729
UniProt ID:	Q80WQ2
RefSeq Size:	3053
Cytogenetics:	8 57.59 cM
RefSeq ORF:	2346
Synonyms:	AA959718; BC032215; D8Wsu151e; ingls; Tax1bp2; Trx
Summary:	The PI(3,5)P2 regulatory complex regulates both the synthesis and turnover of phosphatidylinositol 3,5-bisphosphate (PtdIns(3,5)P2). Acts as a positive activator of PIKfyve kinase activity. Also required to maintain normal levels of phosphatidylinositol 3-phosphate (PtdIns(3)P) and phosphatidylinositol 5-phosphate (PtdIns(5)P). Plays a role in the biogenesis of endosome carrier vesicles (ECV) / multivesicular bodies (MVB) transport intermediates from early endosomes.[UniProtKB/Swiss-Prot Function]