

Product datasheet for PH314195

VAC14 (NM_018052) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	VAC14 MS Standard C13 and N15-labeled recombinant protein (NP_060522)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC214195
Predicted MW:	88 kDa
Protein Sequence:	>RC214195 protein sequence Red =Cloning site Green =Tags(s)

MNPEKDFAPLTPNIVRALNDKLYEKRKVAALIEIKLVREFVAQNNTVQIKHVIQTLSQEFALSQHPHSRK
 GGLIGLAACSIAGKDSGLYLKELIEPVLTCFNADSRLRYACEALYNIVKVARGAVLPHFNVLFDGLS
 KLAADPDPNVKSSELDRLLKDIVTESNKFVLSFIPLLRERIYSNNQYARQFIISWILVLESVPDINL
 LDYLP EILDGLFQILGDNGKEIRKMCEVVLGEFLKEIKKNPSSVKFAEMANILVIHCQTDDLIQLTAMC
 WMREFIQLAGRVMLPYSSGILTAVLPCLAYDDRKKSIKEVANVCNQSLMKLVTPEDDELDELPGQRQAE
 PTPDDALPKQEGTASGGPDGSCDSSFSSGISVFTAASTERAPVTLHLDGIVQVLNCHLSDTAIGMMTRIA
 VLKWL YHLYIKTPRKMFRHTDSLFPILLQTLSDSEDEVILKDLEVLAEIASSPAGQTDDPGPLDGPDLQA
 SHSELQVPTPGRAGLLNTSGTKGLECSPSTPTMNSYFYKFMINLLKRFSSERKLEVRGPFIIIRQLCLLL
 NAENIFHSMADILLREEDLKFASTMVHALNTILLTSTELFQLRNQLKDLKTLESQNLFCCLYRSWCHNPV
 TTVSLCFLTQNYRHAYDLIQKFGDLEVTVDFLAEVDKLVQLIECPIFTYLRLLQLLDVKNPNYL IKALYGL
 LMLLPQSSAFQLLSHRLQCVNPPELLQTEDSLKAAPKSQKADSPSIDYAEALLQHFEKVKQNKHLEVRHQRS
 GRGDHLDRRVVL

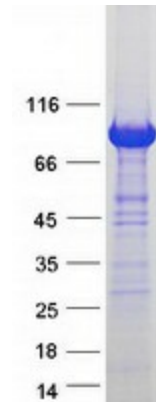
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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:	NP_060522


[View online »](#)

RefSeq Size:	3107
RefSeq ORF:	2346
Synonyms:	ArPIKfyve; TAX1BP2; TRX
Locus ID:	55697
UniProt ID:	Q08AM6
Cytogenetics:	16q22.1-q22.2
Summary:	This gene encodes a scaffold protein that is a component of the PIKfyve protein kinase complex. This complex is responsible for the synthesis of phosphatidylinositol 3,5-bisphosphate, an important component of cellular membranes, from phosphatidylinositol 3-phosphate. Mice lacking a functional copy of this gene exhibit severe neurodegeneration. Mutations in the human gene have been identified in patients with a childhood onset progressive neurological disorder characterized by impaired movement, dystonia, and striatal abnormalities. [provided by RefSeq, May 2017]

Product images:



Coomassie blue staining of purified VAC14 protein (Cat# [TP314195]). The protein was produced from HEK293T cells transfected with VAC14 cDNA clone (Cat# [RC214195]) using MegaTran 2.0 (Cat# [TT210002]).