Human VAMP2 Gene ORF cDNA clone expression plasmid, C-HA tag

5' TAATACGACTCACTATAGGG 3'

5' TAGAAGGCACAGTCGAGG 3'

pCMV3-F and pcDNA3-R are designed by Sino Biological Inc. Customers can order the primer pair from any oligonucleotide supplier.



Catalog Number: HG14320-CY

Or

Forward T7 :

ReverseBGH :

General Information		Shipping carrier :
Gene :	vesicle-associated membrane protein 2 (synaptobrevin 2)	Each tube contains approximately 10 µg of lyophilized plasmid. Storage :
Official Symbol:	VAMP2	The lyophilized plasmid can be stored at ambient temperature for
Synonym :	SYB2; VAMP-2	three months.
Source :	Human	Plasmid Resuspension protocol
cDNA Size:	393bp	1.Centrifuge at $5,000 \times g$ for 5 min.
RefSeq :	BC002737	2.Carefully open the tube and add 100 μI of sterile water to dissolve the DNA.
Plasmid:	pCMV3-VAMP2-HA	
Description Lot : Please refer to the label on the tube		3. Close the tube and incubate for 10 minutes at room temperature.
		4.Briefly vortex the tube and then do a quick spin to concentrate
Sequence Description :		the liquid at the bottom. Speed is less than 5000 $ imes$ g.
Identical with the Gene Bank Ref. ID sequence.		5.Store the plasmid at -20 °C.
Restriction site:	Kpnl + Xbal(6kb+0.39kb)	
Vector :	pCMV3-C-HA	The plasmid is ready for:
Quality control :		Restriction enzyme digestion
The plasmid is confirmed by full-length sequencing with primers in the sequencing primer list.		PCR amplification
Sequencing primer list :		• E. coli transformation
pCMV3-F:	5' CAGGTGTCCACTCCCAGGTCCAAG 3'	DNA sequencing
pcDNA3-R :	5' GGCAACTAGAAGGCACAGTCGAGG 3'	

E.coli strains for transformation (recommended but not limited)

Most commercially available competent cells are appropriate for the plasmid, e.g. TOP10, DH5 α and TOP10F'.

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Vector Information

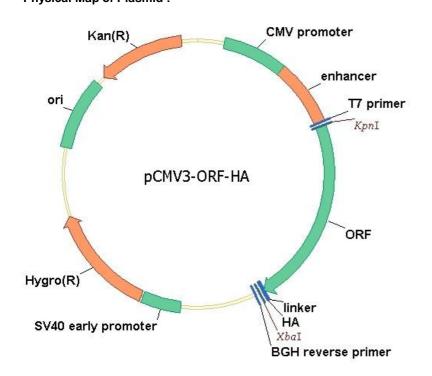
All of the pCMV vectors are designed for high-level stable and transient expression in mammalian hosts. High-level stable and non-replicative transient expression can be carried out in most mammalian cells. The vectors contain the following elements:

•Human enhanced cytomegalovirus immediate-early (CMV) promoter for high-level expression in a wide range of mammalian cells.

• Hygromycin resistance gene for selection of mammalian cell lines.

• A Kozak consensus sequence to enhance mammalian expression.

Physical Map of Plasmid :



Vector Name	pCMV3-C-HA
Vector Size	6161bp
Vector Type	Mammalian Expression Vector
Expression Method	Constitutive, Stable / Transient
Promoter	CMV
Antibiotic Resistance	Kanamycin
Selection In Mammalian Cells	Hygromycin
Protein Tag	HA