Human JPH2 Gene ORF cDNA clone expression plasmid



Catalog Number: HG21237-UT

General Information		Shipping carrier :
Gene :	junctophilin 2	Each tube contains approximately 10 µg of lyophilized plasmid. Storage : The lyophilized plasmid can be stored at ambient temperature for
Official Symbol :	JPH2	
Synonym :	CMH17; JP-2; JP2	three months.
Source :	Human	
cDNA Size:	2091bp (cDNA Size= Gene + linker	Plasmid Resuspension protocol
	+Tags)	1. Centrifuge at 5,000 $ imes$ g for 5 min.
RefSeq :	NM_020433.4	2. Carefully open the tube and add 100 μ l of sterile water to
Plasmid:	pCMV3-JPH2-t1	dissolve the DNA.
Description		3. Close the tube and incubate for 10 minutes at room
Lot : Please refer to the label on the tube		
Sequence Description :		temperature.
Identical with the Gene Bank Ref. ID sequence.		4. Briefly vortex the tube and then do a quick spin to concentrate
Restriction site: Kpnl + Xbal(6.1kb+2.09kb)		the liquid at the bottom. Speed is less than 5000 $ imes$ g.
		5. Store the plasmid at -20 °C.
Vector :	pCMV3-untagged	
Quality control :		
The plasmid is confirmed by full-length sequencing with primers in the sequencing primer list.		The plasmid is ready for:
Sequencing primer list :		Restriction enzyme digestion
		PCR amplification
pCMV3-F:	5' CAGGTGTCCACTCCCAGGTCCAAG 3'	• E. coli transformation

• DNA sequencing

pulviv 3-F:	5 CAGGIGICCACICCCAGGICCAAG 3
pcDNA3-R :	5' GGCAACTAGAAGGCACAGTCGAGG 3'
Or	
Forward T7 :	5' TAATACGACTCACTATAGGG 3'
ReverseBGH :	5' TAGAAGGCACAGTCGAGG 3'

pCMV3-F and pcDNA3-R are designed by Sino Biological Inc. Customers can order the primer pair from any oligonucleotide supplier. **but not limited**) Most commercially available competent cells are appropriate for

the plasmid, e.g. TOP10, DH5 α and TOP10F'.

E.coli strains for transformation (recommended

Manufactured By Sino Biological Inc., FOR RESEARCH USE ONLY. NOT FOR USE IN HUMANS. For U.S. Customer: Fax: 267-657-0217 Tel: 215-583-7898 Non-U.S. Customer: Fax: +86-10-5862-8288 Tel: +86-400-890-9989 <u>http://www.sinobiological.com</u>

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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:

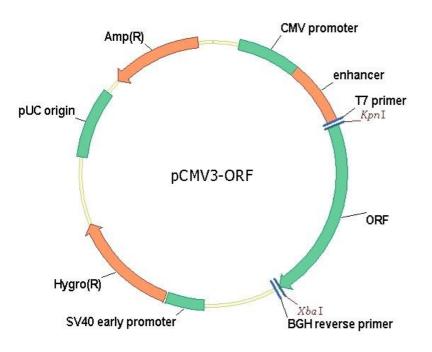
•Human enhanced cytomegalovirus immediate-early (CMV) promoter for high-level expression in a wide range of mammalian cells.

• Hygromycin resistance gene for selection of mammalian cell lines.

• A Kozak consensus sequence to enhance mammalian expression.

Vector name	pCMV3-untagged
Vector size	6223bp
Vector Type	Mammalian Expression Vector
Expression Method	Constiutive ,Stable / Transient
Promoter	CMV
Bacterial Resistance	Ampicillin
Selection In Cells	Hygromycin
Protein tag	None

Physical Map of Plasmid :



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