

Selection Guide

Overview of QIAGEN's pQE Vectors

		N-Terminus pQE Vector set (pQE-9)	QIAexpress® Type IV Kit (pQE-30)*	N-Terminus pQE Vector set (pQE-40)	Cis-repressed pQE Kan Vector Set (pQE-80L-Kan)	TAGZyme pQE Vector Set (pQE-1)
Expression systems	<i>Escherichia coli</i>	x	x	x	x	x
	Baculovirus-infected cells					
	Mammalian cells					
	Cell-free in EasyXpress® Insect II extract					
	Cell-free in EasyXpress <i>E. coli</i> extract	x	x	x	x	x
	His tags	N-Terminal His Tag®	x	x	x	x
	C-Terminal His Tag					
	Number of His residues	6	6	6	6	6
	Encodes RGS His epitope	x	x	x	x	
Strep tags	N-Terminal Strep-Tag®II					
	C-Terminal Strep-Tag II					
Other fusions				DHFR		
Resistance	Ampicillin	x	x	x		x
	Kanamycin				x	
Promoter	T5	x	x	x	x	x
	T7					
Regulation	<i>Trans</i> repression	x	x	x		x
	<i>Cis</i> repression				x	
Cloning	Direct cloning of PCR products					
	In-frame cloning necessary	5'	5'	5'	5'	5'
	All 3 reading frames provided		x		x	

* Available in kits containing vector DNA and Ni-NTA agarose.

		TAGZyme pQE Vector Set (pQE-2)	C-Terminus pQE Vector Set	pQE TriSystem Vector	His-Strep pQE TriSystem Vector Set (His-Strep 1)	His-Strep pQE TriSystem Vector Set (His-Strep 2)
Expression systems	<i>E. coli</i>	x	x	x	x	x
	Baculovirus-infected cells			x	x	x
	Mammalian cells			x	x	x
	Cell-free in EasyXpress Insect II extract					
	Cell-free in EasyXpress <i>E. coli</i> extract	x	x	x	x	x
His tags	N-Terminal His Tag	x				
	C-Terminal His Tag		x		x	x
	Number of His residues	6	6	8	8	8
	Encodes RGS His epitope					
Strep tags	N-Terminal Strep-Tag®II					x
	C-Terminal Strep-Tag II			x	x	
Other fusions						DHFR
Resistance	Ampicillin	x	x	x	x	x
	Kanamycin					
Promoter	T5	x	x	x	x	x
	T7					
Regulation	<i>Trans</i> repression		x	x	x	x
	<i>Cis</i> repression	x				
Cloning	Direct cloning of PCR products					
	In-frame cloning necessary	5'	5' and 3'	5' and 3'	5' and 3'	5' and 3'
	All 3 reading frames provided					

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