

Product datasheet for PS100076

pEX-C-His Bacterial Expression Vector

Product data:

Product Type: Bacterial Expression Vectors

C-Tag: His

E. coli Selection: Ampicillin (100 ug/mL)

Features: This vector is for E.coli expression.

- Upon IPTG induction, ORFs cloned in this vector can be expressed in E.coli (BL21/DE3) as tagged protein with a C-terminal His tag.
- Unlike other PrecisionShuttle vectors, this vector does not have an Sgf I site at the multiple cloning site. Instead a BseR I site can be used to generate Sgf I-compatible end for in-frame shuttling from TrueORF clones in pEntry vector.
- Detection and purification of the transgene are best done using an<u>anti-His antibody</u> or a nickel affinity column.
- If the C-terminal tagging interferes with the protein's function, you can choose the N-terminal His-tagging vector, PS100030

Schematic of the multiple cloning sites:

pEX-C-His

T7 Promoter	La GGGAATTGTGA	c Operator GCGGATAACAAT	CCCCTTTTGTTTA	RBS ACCTTAGAAGGAGATA		SeRI Asc	I Hind III CGCCAGATCTCAAGC
Rsr II	Mlu I	TEV Cleava		His Tag		Not I	Xho I
TTAACTAGCTAGCGGACCG	ACG CGT GA			CAT CAC CAT CAC	CAT CAC TAA A	.cg cgg ccg	CTC GAG GAA AAC
			Pme I F	se I			



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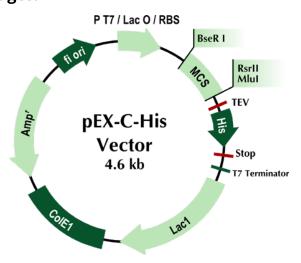
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CTG TAT TTT CAG GGC CAT CAC CAT CAC CAT CAC GTT TAA ACGGCCGGCC



Product images:



pEX-C-His

T7 Promoter TTAATACGACTCACTATAG	GGGAATTO	Lac	Oper:	ator CAATT	cccc	TTTTC	STTT	AACT	TTAG	RBS	AGAT/	ATCG/	ATCG	_	BseR TCCT		Asc	GGCC1	Hind	
Rsr II TTAACTAGCTAGCGGACCG	Miu I ACG CGT T R		TEV C	G TAT	ge Sit		GGC G	CAT H		CAT H	CAC H	CAT H	CAC H	TAA Stop		Not		Xh c	 GAA	AAC

CTG TAT TTT CAG GGC CAT CAC CAT CAC CAT CAC GTT TAA ACGGCCGGCC