

Product datasheet for **PS100028**

pEX-N-His-GST Bacterial Expression Vector

Product data:

Product Type: Bacterial Expression Vectors

N-Tag: His-GST

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

Features:

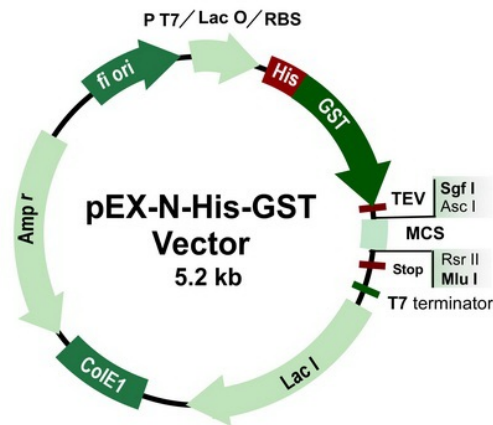
- Upon IPTG induction, ORFs cloned in this vector can be expressed in E.coli (BL21/DE3) as a tagged protein with an N-terminal His-GST tag.
- Detection and purification of the transgene are best done using an anti-His antibody or a glutathione affinity column.
- If the N-terminal tagging interferes with the protein's function, you can choose the C-terminal His-tagging vector, PS100032
- PS100028_F Primer (GE100105) can be used to sequence the target sequence after cloning.
- PS100028_R Primer (GE100133) can be used to sequence the target sequence after cloning.

Schematic of the multiple cloning sites:

pEX-N-His-GST


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Product images:



pEX-N-His-GST

T7 Promoter									
Lac Operator									
RBS									
His Tag									
TTAATACGACTCACTATAGGGGAATTGTGAGCGGATAACAATTCCCCTTTTGTTTAACTTTTAAGAAGGAGAGGCCACC ATG cat cac cat cac cat cac gca									
M H H H H H H A									
GST Tag									
TEV Cleavage Site									
Sgf I									
ggc ATG TCC CCT --- --- --- --- --- TCG GAT ATC ATC CCA ACG ACC GAA AAC CTG TAT TTT CAG GGC GCG ATC GCC GGC									
G M S P --- --- --- --- --- S D I I P T T E N L Y F Q G A I A									
Asc I Hind III Rsr II Mlu I Not I Xho I Pme I Fse I									
GCGCCAGATCTCAAGCTTAAGTAGCTAGCGGACCG ACG CGT TAA ACGCGCCGCTCGAGGTTTAAACGGCCGGCC									
T R Stop									