GeneDire*X* PRIME Gene Synthesis Service

**Institute (Company Name/Department/Lab):** Click here to enter.

**Name:** Click here to enter.

**Phone:** Click here to enter.

**E-mail:** Click here to enter.

Please follow the guidelines:

1. Please provide full DNA sequence (insert) and restriction enzyme names
2. Insert (sequence 5’🡪3’): please use different color to mark restriction enzymes and flanking sequence.
3. Codon optimization:
	1. Please enter full DNA or amino acid sequence.
	2. Please provide the host expression organism and restriction sites to avoid.
4. Please choose selection marker (ampicillin or kanamycin).
5. Please provide 10ug dried plasmid (or target vector) for subcloning if needed.
6. Please provide full sequence and sanger sequencing data of plasmid (or target vector) you sent.
7. Lead time: 4~5 weeks.
8. Delivery: standard up to 2 μg.
9. Delivery form: Freeze dried.
10. Insert length: 0.3 kb~5 kb (standard).
11. DNA fragment length: 0.3 kb~1.8 kb (standard).

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| --- | --- |
| 1. Gene Name
 | Click here to enter gene name. |
| 1. Cloning Sites
 | Restriction enzyme sites and flanking sequence5’ Sequence: Click here to enter RE name or sequence. (Ex: EcoRI or GAATTC) 3’ Sequence: Click here to enter RE name or sequence. |
| 1. DNA / Amino Acid Sequence
 | Click here to enter DNA or amino acid sequence. |
| 1. Codon Optimization
 |  If no, please jump to 7. Start Codon. |
| 1. Species for optimization
 | **Host expression organism (primary):** Click here to choose one organism. Other: click here to enter an organism.If you need secondary: Click here to choose one organism. Other: click here to enter an organism. |
| 1. RE sites to avoid
 | Click here to enter restriction sites to avoid. |
| 1. Start Codon
 |  Click here to enter sequence. |
| 1. Stop Codon
 |  Click here to enter sequence. |
| 1. Shuttle Vector
 |   |
| 1. Custom Vector
 | Vector Name :Click here to enter the vector name.Length : Click here to enter the number.Cloning sites : Click here to enter the RE sites. (Ex. BamHI-EcoRI)Multicloning site (MCS) Sequence: Click here to enter sequence.Vector sequence: please provide the file(Gene Bank file, FASTA or TXT) |
| 1. Special Requirement
 | Click here to enter your requirements. |

V1.4

\*If you have any questions please do not hesitate to contact us.