



icmr
INDIAN COUNCIL OF
MEDICAL RESEARCH
Serving the nation since 1911

NIV
NATIONAL INSTITUTE
OF VIROLOGY

आई सी एम आर - राष्ट्रीय विषाणु विज्ञान संस्थान

स्वास्थ्य अनुसंधान विभाग
स्वास्थ्य एवं परिवार कल्याण मंत्रालय, भारत सरकार

ICMR - NATIONAL INSTITUTE OF VIROLOGY

Department of Health Research
Ministry of Health & Family Welfare, Govt. of India

Enquiry No.:ICMR-NIV/Dengue/PP 3825 (2023-24)/2024-25

Dt. 02.05.2024

QUOTATION ENQUIRY

Sealed quotations are invited on behalf of the Director, ICMR-National Institute of Virology, Pune. Interested vendors should submit their quotation along with their company/personal profile and purchase of the article(s) details are as given below:

Sr.No.	PP NO.	Particulars	Quantity
1.	3825	1) Gene Synthesis and cloning for Chikungunya Customised gene construct of approx 800bp into plasmid vector, codon optimized, endotoxin free	01
		2) Gene Synthesis and cloning for Chikungunya Customised gene construct of approx 2Kb into plasmid vector, codon optimized, endotoxin free	01

The quotation super scribed as "Quotation for Gene Synthesis" 'PP no. 3825/2023-24' addressed to the Director, ICMR-National Institute of Virology, 20-A, Dr. Ambedkar Road, Post box-11, Pune - 411 001 (Attention: Administrative Officer-Stores) should be either dropped at the Admin Department at NIV or sent through by Speed post / courier (with signature & seal in company letter head) latest by 16 .05.2024 till 3.00P.M

OTHER TERMS & CONDITIONS

1. This is an enquiry and must not be treated as an order.
2. **Manufacturer Authorization: Wherever Authorized Distributors/Service providers are submitting the Quote, Authorization form / Certificate with OEM/Original Service Provider details.**
3. The NIV office reserves the right to accept or reject any or all applicants without assigning any reasons.
4. Any decision taken by the Director, NIV at any point of time in connections with this process shall be final and conclusive and no claim or dispute from any quarter in that regard shall be entertained.
5. No advance payment will be made. The payment will be made on receipt of services material availed and satisfactory report of the end users.
6. NIV, Pune will not be responsible for any delay for receipt of quotations.
7. Requirement of material quantity will either increase or decrease. Final requirements will be mentioned in the purchase order issued to the firm.
8. Quotation validity should be mentioned in the quotation. Delivery period should be clearly indicated in the quotation.

Signature
02/05/2024

ADMINISTRATIVE OFFICER

Sequence of gene 1

>NS2B

```
gcc gat ctg gaa tta gag aga gct gct gat gtc aaa tgg gat gac cag gca gag  
ata tca ggg agc agt cca att ctg tca ata aca ata tca gaa gac ggc agc atg  
tca ata aag aat gaa gag gaa gag caa aca ctg
```

linker- Code for Gly4SerGly4

GGG-GGC-GGA-GGT-AGT-GGT-GGA-GGC-GGG

Sequence of gene 2

>NS-3-new-4523-5074/ (4523-5116)

```
gct gga gtg ttg tgg gat gtc ccc tca cca cca cca gtg gga aag gct gaa ctg gaa gat  
gga gcc tac aga atc cag caa aaa gga att ttt gga tat tcc cag atc gga gcc gga gtt  
tac aaa gaa gga acc ttc ccc aca atg tgg cac gtc aca cgt ggc gct gtc cta atg cat  
aag ggg aag agg att gaa cca tca tgg gcg gac gtc aag aaa gac tta ata tca tat gga  
gga ggt tgg aag cta gaa gga gaa tgg aaa gaa gga gaa gaa gtc cag gtc ttg gca ttg  
gag cct ggg aaa aat cca aga gct gtc caa aca aaa cct ggc ctt ttt aaa acc aac act  
gga acc ata ggt gcc gta tct ctg gac ttt tcc cct ggg acg tca gga tct cca atc gtc  
gac aaa aaa gga aaa gtt gtg ggt ctc tat ggc aat gga gtc gtt aca agg agt gga gca  
tat gtg agt gcc ata gct cag act gaa aaa agc att gaa gac tat cca gag gtt gag atg  
gac atc ttt cgg taaa*
```

- Gene 1 and gene 2 should be linked by given linker.
- Gene meant for expression in bacterial BL21 cells so His-tag is required.
- Codon optimization is required.
- Gene needed in pET28a vector.
- BamHI-NS2B
- NS3 --XhoI
- XhoI and BamHI are the restriction site flanking the gene.
- *taaa: double stop codon