**GenScript Small Nucleic Acid Early Discovery Service**

**Inquiry Form**

Basic Information

|  |  |
| --- | --- |
| Contact Person | Click or tap here to enter text |
| Company Name | Click or tap here to enter text |
| Email | Click or tap here to enter text |
| Phone Number | Click or tap here to enter text |

Service Offering

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| GenScript Small Nucleic Acid Drug Discovery Solution |
| Service Name | **Applications** | **Price and TAT** |
| [ ]  Basic Discovery | Get proof-of-concept sequences for target genes | 20/50/100/200 items, start from $11K, 6 weeks |
| [ ]  Economy Discovery | Get hit sequences with KD function | 20/50/100/200 items, start from $22K, 8 weeks |
| [ ]  Premium Discovery *Recommended* | Get hit-lead modified sequences and precisely verified efficacy | 20/50/100/200 items start from $38K, 12 weeks |
| [ ]  Custom Service | Demands for only design, delivery or screening stage | Please quote for details |

*\* For screening of >200 items, please quote for detailed price*

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| **Service** | **Deliverables** | **Basic Discovery** | **Economy Discovery** | **Premium Discovery** |
| **Design** | Sequence design | ✓ | ✓ | ✓ |
| Modification design |  |  | ✓ |
| qPCR primer design | ✓ | ✓ | ✓ |
| **Synthesis** | Naked sequences | ✓ | ✓ | ✓ |
| Modified siRNA synthesis |  |  | ✓ |
| qPCR primer synthesis | ✓ | ✓ | ✓ |
| **In-vitro Screening** | Cell preparation & qPCR pre-test | ✓ | ✓ | ✓ |
| Preliminary experiment of PC | ✓ | ✓ | ✓ |
| Sequence screening | ✓ | ✓ | ✓ |
| IC50 for selected sequences |  | ✓ | ✓ |
| Modification screening |  |  | ✓ |
| IC50 for selected modified sequences |  |  | ✓ |
| **Functional assay** | Off-target (RNA-seq) | Not Applicable | Optional | Recommended |
| Cell viability/toxicity |
| Immunogenicity (ELISA) |
| Drug stability (LC-MS) |
| **Add on service** | Patent checking | Optional | Optional | Optional |

Service Inquiry

*Please fill in the table and key requirements to help us understand your project better for a more accurate evaluation (Fields marked with \* are required).*

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| **Overview of Project Information** |
| Project Introduction | Please describe your project background briefly |
| Project Initiation Time | [ ]  Immediately [ ]  Within one month [ ]  Within three months [ ]  After six months |
| Indication | Click or tap here to enter text |
| Target Gene**\*** | Click or tap here to enter text |
| Drug Type**\*** | [ ]  siRNA[ ]  ASO: [ ]  1) Inhibition mechanism; [ ]  2) Degradation Mechanism[ ]  Others: Click or tap here to enter text |
| Expected Design Item**\*** | [ ]  20 items; [ ]  50 items; [ ]  100 items; [ ]  200 items;[ ]  >200 items: items |
| Discovery Package**\*** | Please choose your preferred discovery package:☐ Basic Discovery; ☐ Economy Discovery; ☐ Premium Discovery |
| Custom Services | If you have other custom requirements on any steps, please choose:[ ]  Design; [ ]  Synthesis; [ ]  Screening; [ ]  Delivery; [ ]  Functional assaysand describe briefly here Click or tap here to enter text |
| **Design Service** |
| Design Type**\*** | [ ]  Sequence design only; [ ]  Modification design only;[ ]  Both sequence and modification design |
| Homology Requirements**\*** | [ ]  Mouse [ ]  Rat [ ]  Monkey[ ]  Other: Click or tap here to enter text |
| Special Design Requirements | Click or tap here to enter text |
| Positive Control Sequence | Click or tap here to enter text |
| **Synthesis and Delivery Service** |
| siRNA (RNase free HPLC) | Special modifications if needed: Click or tap here to enter text |
| ASO (RNase free HPLC) | Special modifications if needed: Click or tap here to enter text |
| Delivery System | [ ]  Customer Provided (Type: Click or tap here to enter text)[ ]  Genscript Prepared[ ]  Conjugated-GalNAc[ ]  Conjugated-Antibody/Peptide[ ]  LNP Package[ ]  Other: Click or tap here to enter text |
| **Screening Service** |
| Cell Line for Screening**\*** | Click or tap here to enter text[ ]  Customer Provided (Note: Cell line must be free of mycoplasma, and relevant testing information must be submitted)[ ]  GenScript Provided (Note: Only applicable for ATCC cell lines. If backup is available, it can be directly provided. Additional fees and time will be required if no backup is available) |
| Cell Delivery Method**\*** | [ ]  Chemical Transfection (Default); [ ]  Electroporation[ ]  Other Method: Click or tap here to enter text |
| KD Efficiency Detection**\*** | [ ]  mRNA Level by qPCR (default)[ ]  Protein Level (if needed)[ ]  ELISA[ ]  Immunofluorescence Staining/Fluorescence-activated Cell Sorting (FACS)[ ]  Western Blot (WB)[ ]  Construction of reporter cell lines for target genes[ ]  Other Methods：Click or tap here to enter text |
| Sequence Detection Item**\*** | *Only applicable to Economy & Premium or Custom discovery*Select items of screened-out sequences for IC50 study |
| Modification Detection Item**\*** | *Only applicable to Premium or Custom discovery** Select items of screened-out naked sequences for modification screening
* Apply modification types: [ ]  GS proprietary siRNA modifications; [ ]  customer provided
* Select items of screened-out modified sequences for IC50 study
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| **Free Uptake Study (Optional)** |
| Cell Type for Uptake Experiment | Click or tap here to enter text ([ ]  Customer Provided; [ ] Genscript provided) |
| Delivery System | [ ]  Customer Provided (Type: Click or tap here to enter text)[ ]  Genscript Prepared[ ]  Conjugated-GalNAc[ ]  Conjugated-Antibody/Peptide[ ]  LNP Package[ ]  Other: Click or tap here to enter text |
| Detection Method | Click or tap here to enter text |
| **Functional Assays (Optional)***Only applicable to Economy & Premium or Custom discovery* |
| Off-target Detection | Detect items by [ ]  RNA-seq (Default); [ ]  psiCHECK reporter;[ ]  Others: Click or tap here to enter text |
| Cell Viability/Toxicity | Detect items by [ ]  Assay detection: CGT, MTT, Caspase 3/7, CCK8 assay, etc |
| Immunogenicity/cytokine detection  | Detect items by ELISA |
| Drug Stability | Detect items by LC-MS |
| **Add-on Service (Optional)** |
| Patent Checking (extra fee) | Click or tap here to enter text |
| **Others** |
| Custom Requirements | Click or tap here to enter text |
| References | Please provide a reference publication for this project: Click or tap here to enter text |