**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

|  |  |  |
| --- | --- | --- |
| 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).*

|  |  |
| --- | --- |
| **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 assays  and 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 |
| **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 |