CRISPR-Cas9 Cell Engineering Service

**Please open this form with Adobe Acrobat, Adobe Professional, FoxIt or some other alternatives in order for the save function to be available. Adobe Reader does not support the save function.*
***Please complete this form and email to quotes@abmgood.com*

Customer Information

Name:

Customer ID: **Phone Number:**

Shipping/Billing Address: **Organization:**

Cell Line Selection

***Please select from Option 1, 2, or 3*

☐ **Option 1: Select from one of our Cas9-expressing cell lines:**

☐ HEK293 ☐ HEK293T ☐ A549 ☐ HeLa ☐ MDCK
☐ A375 ☐ HepG2 ☐ HT1080 ☐ U87MG

☐ **Option 2: Select from one of our Immortalized Cell Lines (additional charges will apply):** ABM Cat. No:

☐ **Option 3: Provide your own cell line:** Name/species of cell line you will provide:

Cell Line Properties - Please complete if option 3 is selected

Passage Number: **Doubling Time:**

Culture Protocol Required for Cell Growth: Base Medium:

Additional Components Required:

Do you need ABM to follow any special cell culture routine? ☐ Yes, see below. ☐ No

If yes, please provide detailed protocol, instructions, or culturing requirements:

Are the cells prone to irreversible differentiation or morphological changes? ☐ Yes, see below. ☐ No ☐ Not Sure

If yes, how to avoid unwanted change(s):

Cell Line Properties Continued:

Growth condition of the host cell line: ☐ Adherent ☐ Suspension ☐ Both

Does the cell line express antibiotic resistance marker? ☐ Yes, it is resistant to: _____ ☐ No

Plating Efficiency: _____

Can the cell line form single cell clones?	☐ Yes	☐ No	☐ Not Sure
Are the cells tolerant to single cell dilution?	☐ Yes	☐ No	☐ Not Sure
Will serial dilution affect cell growth rate?	☐ Yes	☐ No	☐ Not Sure
Is the cell line easy or difficult to transduce?	☐ Easy	☐ Difficult	☐ Not Sure
Is the cell line easy or difficult to transfect?	☐ Easy	☐ Difficult	☐ Not Sure

Give details of transfection method/reagents used (if applicable): _____

Target Gene Information:

Name of gene to be knocked-in: _____ **NCBI Accession Number:** _____

Does knock-in of the gene affect cell growth? ☐ Yes, see below ☐ No ☐ Not Sure

If yes, please specify: _____

Gene copy number of host cell line: ☐ One Allele ☐ Two Alleles ☐ Multiple Alleles (Indicate Number): _____ ☐ Not Sure

Target Gene Editing:

***By default, sgRNA and Cas9 will be stably integrated into the host cell genome.*

Is stable integration of sgRNA suitable? ☐ Yes ☐ No, I would prefer transient

Is stable integration of Cas9 suitable? ☐ Yes ☐ No, I would prefer transient

Point mutation: _____

Reporter/Tag addition: ☐ C Terminal OR ☐ N Terminal of gene

_____

Larger Genomic insertion: _____

Target editing at: ☐ Safe Harbor site ☐ No specification

☐ Another specific locus: _____

Deliverables:

***Unless any Add-On Service(s) is specified, only the following two deliverables will be provided by default.*

1.) Sequence verified genetically engineered clone (at least 1 clone, 2 vials per clone)

2.) Microbial/sterility tested with a service report.

Add-On Services:

***Are any of the following add-on services desired? Note that all are optional and will incur additional charges.*

- ☐ **WT Control Cell Line Expressing Cas9 for Comparison**
- ☐ **Additional Vials of Delivered Clones** (Please indicate number): _____
- ☐ **Additional Clones** (Please indicate number): _____
- ☐ **Validation Service by Western Blot (Up to 10 Clones)**
- ☐ **Off-Target Analysis by Whole Genome Sequencing**
- ☐ **Additional rounds of selection and screening by Sanger Sequencing**
- ☐ **STR Profiling of WT and Knock-Out**
- ☐ **None**

Additional Comments (optional)