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About CRISPR/Cas9

Genomic engineering in cell lines is a versatile tool for studying gene function, designing diseases models, biopharmaceutical research, drug discovery and many other applications. CRISPR (Clustered Regulatory Interspaced Short Palindromic Repeats)/Cas9 systems is a newly developed yet the most popular method for genome editing. It has been widely used in current biology, functional genome screening, cell-based human hereditary disease modeling, epigenomic studies and visualization of cellular processes.

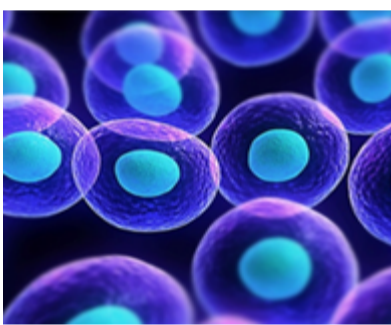
Featured Products



Gene Knockout Stable Cell Lines

Our scientists have years of experience at performing gene editing with CRISPR/Cas9, from designing gRNA to transfection and single clone generation. Creative Biogene is offering a series of gene knockout cell lines developed by CRISPR/Cas9 system. These cell lines provide you with a convenient means to study gene functions... [Read More](#)

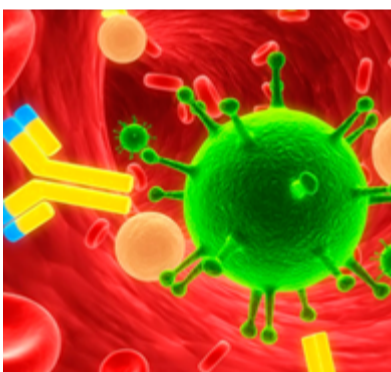
Related Services



Stable Knockout Cell Line Generation

Creative Biogene is experienced to provide a full CRISPR/Cas9-based gene knockout service using any mammalian cell line and targeting any gene. Our scientists are experts at performing gene knockout with CRISPR/Cas9, from designing gRNA constructs to transfection and single clone generation of a wide range of cells, including difficult-to-transfect and tumor cell lines... [Read More](#)

Products Application



Knockout Cell Lines in Antibody Screening and Validation

By far knockout cell lines generated by CRISPR/Cas9 are widely used as negative controls for antibody validation. Creative Biogene is committed to providing the best Gene Knockout Stable Cell Lines available for your antibody validation. Our premade gene knockout stable cell lines are currently used by researchers to verify that their antibodies are specific to the indicated targets. In addition to being used as the negative controls, the knockout cell... [Read More](#)

Information of Upcoming Events

Name	Application	Date	City Event	Type
International Conference on Healthcare, Applied science, Technology and Engineering	Biotechnology	2018/12/20-2018/12/21	New York, America	Conference
2018 – 9th International Conference on Research in Life-Sciences & Healthcare (ICRLSH)	Biotechnology	2018/12/27-2018/12/28	Dubai, United Arab Emirates	Conference
DNA Replication and Genome Instability - From Mechanism to Disease	Cancer Research	2019/1/13-2019/1/17	Utah, America	Conference

FAQ

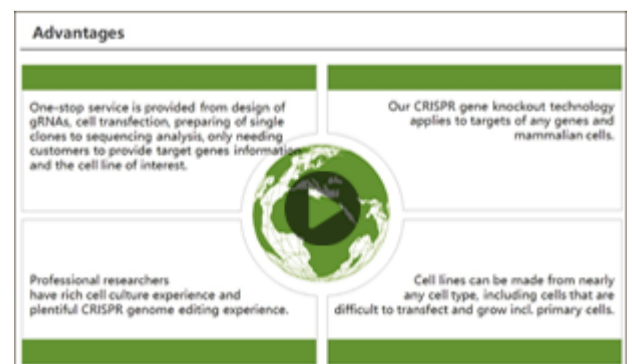


Frequently Asked Questions: Stable Knockout Cell Line Generation

A : Will CRISPR keep cutting the chromosome after the gene is edited?

Q : CRISPR is sensitive to mismatches, so it is unlikely the CRISPR will keep cutting the chromosome after the gene is edited... [Read More](#)

Video



CRISPR/Cas9 system consists of a “guide” RNA (gRNA) and a bacterial CRISPR-associated endonuclease (Cas9). The gRNA is a short synthetic RNA composed of a Cas9-binding “scaffold” sequence and ~ 20 nucleotide “targeting” sequence that defines the target genomic site to be modified.... [Read More](#)