

## Product datasheet for **KN203894**

### CD147 (BSG) Human Gene Knockout Kit (CRISPR)

#### Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 GFP-puro donor, 1 scramble control
Donor DNA:	GFP-puro
Symbol:	CD147
Locus ID:	682
Components:	<p><b>KN203894G1</b>, CD147 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GATATTTGGGGCGGCGAGT</p> <p><b>KN203894G2</b>, CD147 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CGGACGCGTCTCCCAAGAA</p> <p><b>KN203894D</b>, donor DNA containing left and right homologous arms and GFP-puro functional cassette.</p>

Homologous arm and GFP-puro sequences:

pUC vector backbone in gray; Left arm sequence in blue; GFP-puro in green; Right arm in violet

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GCAGGAGAAT CGCTTGAACC CGGGAGGCGG AGGTTGCAGA GAGTCGAGAT CGCGCCGCTG CACTCCAGCC
TGGGTGACAC AGCGAGACTC CAACACACAC ACACACAAAA GATATGGCGC GTCTCATTCA TTCACAAGTT
CCTCTTAAA GGTGGGCTC GTTCAGCGCC CTCGTTCTTC GTTTCCTACT TCCAAGGCCA ACCTGACTTC
CTCACCTCT GGGCCTCCC GTCTGAGTCT CAGTAAACA GTTCCCGCC GGTCCGATG TGCAGAGATG
GCACCTGCCA CCCACTCTG ACATCCCCT CCGTCGCCA CGGGCTCTC CCGCCAGTGT AGCCACATTC
CTGCCCTTT CCAGTTAGCC CTCGCGTTC GGCTTAGTCT GCGGTCCTCT TGCATTGCGA CTCCGAGTTT
AACTTCCAAC ACACACTTTC AACCTCCAAG AGACGCCCC ACCTGTGTG CCCCATAGC GACTTTTCTC
ACCGTGGTCG CCGCGAACT TCAAGGTCC TTCCTACCCG CGTTGCTGAG AGTCTGGGT TACGCGTCAC
CTCGGGCGGG ACCCGATCCT CCGCTCCTGA GGCCCCACA TCCCGCAAAG AGAAACCAGC ACTTAGAAAA
TTTCTCAGCG AGACCACTT ACTTGACGG AAGGGGGCTG CCTGCGTGGG ATGCAATCTC CAGAGCACAC
GGGACAAAGG AAGGGAGCTT CTGTTCTCT GTCCTTCCC TGTTGGCTGG GGTTGGACG CCACAATCTA
AGCTGATCCC GGTTGGCTAA AACTTAAAC TTTTTTAAA TAGGGTAAAC GCGCCACCTG CGAGGAAAGA
AGAAGGGGT AAGTTGATT GACAATTA GACCTGGAAG TTGAGTTTCT GAAGAGGAAC TTACTTGTC
CAACCAAATG GTGCACAGGA CGTTTACT AAGAAATAT TCATTTTCTG AGATCCAGAT TCAAGTGCCC
TTTAAGTATT TTTATTTGG CGGAGGAGT CACTTCTCC CACCTAATTT ATTAATACGT TCATATATAT
ATATATATAT GTACATTTT AAAGGCAGAG ATGTGCGTCT CGCCATGTTG CCGCGTCTG TCTCGAGCTC
CCGGGCTCAA GCGATCTCC CGCCTCGACC TCCCAAGGCT CTGGGAGTAC AGACGTGAGC CACAGCGGCC
GGCCCGTGT
```

**GE100003**, scramble sequence in pCas-Guide vector



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**Disclaimer:** These products are manufactured and supplied by OriGene under license from ERS. The kit is designed based on the best knowledge of CRISPR technology. The system has been functionally validated for knocking-in the cassette downstream the native promoter. The efficiency of the knock-out varies due to the nature of the biology and the complexity of the experimental process.

**RefSeq:** [NM\\_001322243](#), [NM\\_001728](#), [NM\\_198589](#), [NM\\_198590](#), [NM\\_198591](#)

**UniProt ID:** [P35613](#)

**Synonyms:** 5F7; CD147; EMMPRIN; OK; TCSF

**Summary:** The protein encoded by this gene, basigin, is a plasma membrane protein that is important in spermatogenesis, embryo implantation, neural network formation, and tumor progression. Basigin is also a member of the immunoglobulin superfamily, ubiquitously expressed in various tissues. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2020]

### Product images:

