DATA SHEET

CMV Promoter Sox2 Lentivirus
G340

Quantity: 200ul

Titer: $1x10^8$ cfu/mL

Vector	pLenti-III-CMV-Sox2
Promoter	CMV
Gene	Sox2
Organism	Human
Accession #	P48431
Description	Lenti-III-CMV Virus expressing human Sox2 cDNA.
Functions	Each individual recombinant lentivirus is provided as a VSV-G pseudotyped and concentrated virus stock capable of infecting both dividing and non-dividing cells. The expression of this transcription factor in combinantion with the other three has been shown to reprogram adult human fibroblasts to an embryonic stem (ES) cell-like state known as the induced pluripotent stem cell (iPSCs).
Quality Control	Viral titer (cfu/mL) is determined by quantitative RT-PCR of viral stock preparation. Transcription factor protein expression are verified by immunocytochemistry and Western Blot analysis of transduced 293 cells. All of ABMâ€™s viral preparations are tested to be free of bacteria and other microbials.
Titer	$1x10^8$ cfu/mL
Storage	-70°C
Shipping	On Dry Ice
References	Induced pluripotent stem cell lines derived from human somatic cells. Yu et al.

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Science. 2007 Dec 21;318(5858):1917-20. Epub 2007 Nov 20.

Human induced pluripotent stem cells free of vector and transgene sequences. Yu et al. Science. 2009 May 8;324(5928):797-801. Epub 2009 Mar 26.

Induction of pluripotent stem cells from adult human fibroblasts by defined factors. Takahashi et al. Cell. 2007 Nov 30;131(5):861-72.

Induction of pluripotent stem cells from mouse embryonic and adult fibroblast cultures by defined factors. Takahaski and Yamanaka. Cell. 2006 Aug 25;126(4):663-76. Epub 2006 Aug 10.

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