

**Centre for AIDS Reagents**

**Data Sheet**

<b>REPOSITORY REFERENCE:</b>	<b>ARP2070</b>
<b>NAME:</b>	pcDNA3.1-APOBEC3G-V5-6XHis
<b>PROVIDED:</b>	25µg plasmid DNA in water.
<b>CLONING SITE:</b>	TOPO Cloning Technology was used following manufacture's instruction (Invitrogen Corp). The size of the insert is 1155bp.
<b>RECOMMENDED STORAGE:</b>	-20°C.
<b>SOURCE:</b>	Drs. B. Matija Peterlin and Yong-Hui Zheng.
<b>DESCRIPTION:</b>	The cloning insert was obtained from Open Biosystems (Huntsville, AL). Insert for human APOBEC3G was cloned into mammalian expression vector pcDNA3 with a V5 epitope tag from SV5 paramyxovirus and a polyhistidine epitope at the C terminus. Plasmid DNA was transfected into 293T cells and expression of human APOBEC3G was detected with with a monoclonal anti-V5 antibody. Expression of human APOBEC3G is driven by the CMV promoter.
<b>REFERENCES:</b>	Yong-Hui Zheng, Dan Irwin, Takeshi Kurosu, Kenzo Tokunaga, Tetsutaro Sata and B. Matija Peterlin. Human APOBEC3F Is Another Host Factor That Blocks Human Immunodeficiency Virus Type 1 Replication. <i>J. Virology</i> <b>78</b> :6073-6076, 2004.

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[www.nibsc.ac.uk/spotlight/centre\\_for\\_aids\\_reagents.aspx](http://www.nibsc.ac.uk/spotlight/centre_for_aids_reagents.aspx)

Please also ensure that you send us a copy of any papers resulting from work using reagents acquired through CFAR (this can be electronically or as a paper copy)