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DATA SHEET

Reagent:	Human APOBEC3G HA Expression Vector (pCMV4-HA-APOBEC3G)
Catalog Number:	9951
Lot Number:	032606
Release Category:	E
Provided:	5.0 µg plasmid DNA in 1 x TE (5.0 µl).
Cloning Site:	APOBEC3G cDNA was amplified by PCR from an H9 cDNA library and then inserted into the HindIII (5') and XbaI (3') sites of the pCMV4 vector. The size of the APOBECG3-HA insert is ~1.2 kb.
Cloning Vector:	The cloning vector is pCMV4 (Andersson S, *J Biol Chem* **264**:8222-8229, 1989). The size of the cloning vector including the insert is ~ 6.1 kb.
Description:	pCMV4-HA-APOBEC3G was created to express APOBEC3G/CEM15 with an N-terminal triple HA tag in mammalian cells. The insert was amplified; using PCR from a cDNA library from HIV-1 infected H9 cells. Expression of HA-APOBEC3G is constitutive and under control of the CMV immediate early promoter.
Special Characteristics:	Host: DH5α or similar host. This expression vector for APOBEC3G is useful for transient expression in HEK 293 and HEK 293T cells. The N-terminal triple HA tag is useful for immunoblotting and immunoprecipitation.
Recommended Storage:	-20°C
Contributor:	Dr. Warner C. Greene.

References:	Stopak K, de Noronha C, Yonemoto W, Greene WC. HIV-1 Vif blocks the antiviral activity of APOBEC3G by impairing both its translation and intracellular stability. *Mol Cell* **12**:591 601, 2003.
NOTE:	Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: pCMV4-HA-APOBEC3G from Dr. Warner C. Greene.:" Also include the reference cited above in any publications. **Recipient must not use or incorporate the reagent for commercial purposes.**
Last Updated:	July 12, 2017