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DATA SHEET

Reagent:	Human APOBEC3G HA Expression Vector (pCMV4-HA-APOBEC3G)
Catalog Number:	9951
Lot Number:	042042
Release Category:	E
Provided:	5 µg of dried purified DNA stabilized in DNAstable *PLUS*
Cloning Site:	HindIII/XbaI cloning site The size of the insert is ~1200 bp.
Cloning Vector:	pCMV4 Ampicillin resistant
Description:	An expression vector which produces human APOBEC3G protein with an N-terminal triple HA tag in mammalian cells.
Special Characteristics:	This construct is 6103 bp including the insert. This plasmid expresses APOBEC3G derived using PCR from a cDNA library from HIV-1 infected H9 cells. This expression vector is useful for transient expression in HEK 293 and HEK 293T cells. The expression of HA-APOBEC3G is constitutive and under control of the CMV immediate early promoter. The N-terminal triple HA tag is useful for immunoblotting and immunoprecipitation. Sequence file lot 042042 This reagent is currently being provided as dried purified DNA stabilized in DNAstable *PLUS*. Please see the notice for additional information and the protocol for reconstitution of dried DNA reagents. Dried DNA Notice Plasmids can be propagated in STBL2 cells and grown at 37°C. Larger plasmids may benefit from growth at 30°C. This construct may also be grown in other competent cells.

Recommended Storage:	Keep the reagent at room temperature in a dry storage cabinet or in a moisture barrier bag.
Contributor:	Dr. Warner C. Greene
References:	K. Stopak, C. de Noronha, W. Yonemoto and W. C. Greene. (2003). HIV-1 Vif blocks the antiviral activity of APOBEC3G by impairing both its translation and intracellular stability. Mol Cell, 12(3), 591-601. PUBMED S. Andersson, D. L. Davis, H. Dahlback, H. Jornvall and D. W. Russell. (1989). Cloning, structure, and expression of the mitochondrial cytochrome P-450 sterol 26-hydroxylase, a bile acid biosynthetic enzyme. J Biol Chem, 264(14), 8222-9. PUBMED
NOTE:	Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: Human APOBEC3G HA Expression Vector (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:	March 21, 2019