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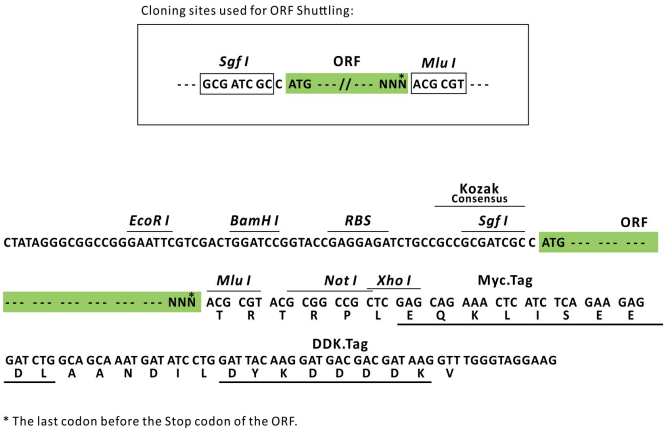
Product datasheet for RC206821L3

APOBEC3G (NM_021822) Human Tagged Lenti ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	APOBEC3G (NM_021822) Human Tagged Lenti ORF Clone
Tag:	Myc-DDK
Symbol:	APOBEC3G
Synonyms:	A3G; ARCD; ARP-9; ARP9; bK150C2.7; CEM-15; CEM15; dJ494G10.1; MDS019
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC206821).
Restriction Sites:	SgfI-MluI
Cloning Scheme:	



ACCN:	NM_021822
ORF Size:	1152 bp

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OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_021822.1
RefSeq Size:	1848 bp
RefSeq ORF:	1155 bp
Locus ID:	60489
UniProt ID:	Q9HC16
Cytogenetics:	22q13.1
MW:	46.4 kDa
Gene Summary:	This gene is a member of the cytidine deaminase gene family. It is one of seven related genes or pseudogenes found in a cluster, thought to result from gene duplication, on chromosome 22. Members of the cluster encode proteins that are structurally and functionally related to the C to U RNA-editing cytidine deaminase APOBEC1. The protein encoded by this gene catalyzes site-specific deamination of both RNA and single-stranded DNA. The encoded protein has been found to be a specific inhibitor of human immunodeficiency virus-1 (HIV-1) infectivity. [provided by RefSeq, Mar 2017]