

Product datasheet for RC231245L4

MSANTD3 (MSANTD3-TMEFF1) (NM_001198812) Human Tagged Lenti ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	mGFP
Symbol:	MSANTD3-TMEFF1
Synonyms:	C9orf2; C9orf3-TMEFF1; C9orf30-TMEFF1; H7365; TMEFF1; TR-1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC231245).
Restriction Sites:	SgfI-MluI
Cloning Scheme:	

Cloning sites used for ORF Shuttling:



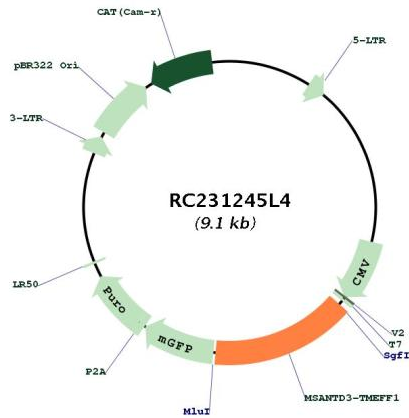
* The last codon before the Stop codon of the ORF.

ACCN:	NM_001198812
ORF Size:	1362 bp

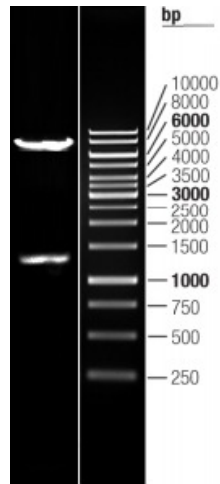


OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001198812.1 , NP_001185741.1
RefSeq ORF:	1365 bp
Locus ID:	100526694
UniProt ID:	Q8IYR6
Cytogenetics:	9q31.1
MW:	51.4 kDa
Gene Summary:	This locus represents naturally occurring read-through transcription from the neighboring MSANTD3 (Myb/SANT-like DNA-binding domain containing 3) and TMEFF1 (transmembrane protein with EGF-like and two follistatin-like domains 1) genes. The read-through transcript encodes a fusion protein that shares sequence identity with the products of each individual gene. [provided by RefSeq, Aug 2013]

Product images:



Circular map for RC231245L4



Double digestion of RC231245L4 using SgfI and MluI