

Product datasheet for RC207912L3

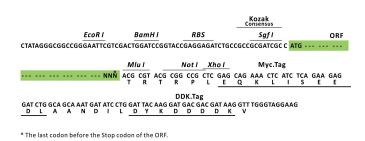
MTRF1 (NM_004294) Human Tagged Lenti ORF Clone

Product data:

OriGene Technologies, Inc.

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Product Type:Expression PlasmidsProduct Name:MTRF1 (NM_004294) Human Tagged Lenti ORF CloneTag:Myc-DDKSymbol:MTRF1Synonyms:MRF1; MTTRF1; RF1	
Tag:Myc-DDKSymbol:MTRF1	
Symbol: MTRF1	
-	
Synonyms: MPE1: MTTPE1: DE1	
Mammalian Cell Puromycin Selection:	
Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)	
E. coli Selection: Chloramphenicol (34 ug/mL)	
ORF Nucleotide The ORF insert of this clone is exactly the same as Sequence:	(RC207912).
Restriction Sites: Sgfl-Mlul	
Cloning Scheme:	
Cloning sites used for ORF Shuttling:	
Sgf I ORF Mlu I	



ACCN: ORF Size: NM_004294 1335 bp



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GRIGENE MTRF1	(NM_004294) Human Tagged Lenti ORF Clone – RC207912L3
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. <u>More info</u>
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:	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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:	<u>NM 004294.2</u>
RefSeq Size:	2174 bp
RefSeq ORF:	1338 bp
Locus ID:	9617
UniProt ID:	<u>075570</u>
Cytogenetics:	13q14.11
MW:	52.3 kDa
Gene Summary:	The protein encoded by this gene was determined by in silico methods to be a mitochondrial protein with similarity to the peptide chain release factors (RFs) discovered in bacteria and yeast. The peptide chain release factors direct the termination of translation in response to the peptide chain termination codons. Initially thought to have a role in the termination of mitochondria protein synthesis, a recent publication found no mitochondrial translation release functionality. Multiple alternatively spliced transcript variants have been suggested by mRNA and EST data; however, their full-length natures are not clear. [provided by RefSeq, Jul

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