

Product datasheet for RC200009

PPME1 (NM_016147) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPME1 (NM_016147) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PPME1
Synonyms:	ABDH19; PME-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Restriction Sites:	SgfI-MluI
Cloning Scheme:	

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_016147

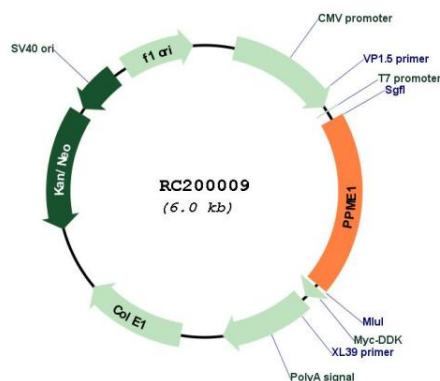
ORF Size: 1158 bp



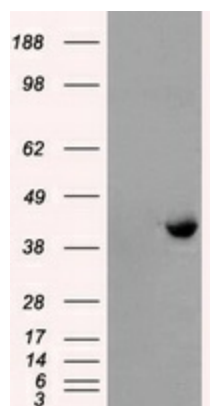
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OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), 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:	<ol style="list-style-type: none"> 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_016147.3
RefSeq Size:	2484 bp
RefSeq ORF:	1161 bp
Locus ID:	51400
UniProt ID:	Q9Y570
Cytogenetics:	11q13.4
Protein Families:	Druggable Genome
MW:	42.1 kDa
Gene Summary:	This gene encodes a protein phosphatase methylesterase localized to the nucleus. The encoded protein acts on the protein phosphatase-2A catalytic subunit and supports the ERK pathway through dephosphorylation of regulatory proteins. It plays a role in malignant glioma progression. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2012]

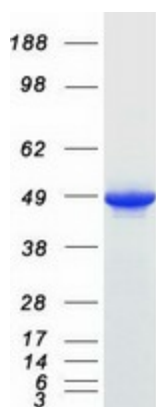
Product images:



Circular map for RC200009



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY PPME1 (Cat# RC200009, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-PPME1 (Cat# [TA500823]). Positive lysates [LY402509] (100ug) and [LC402509] (20ug) can be purchased separately from OriGene.



Coomassie blue staining of purified PPME1 protein (Cat# [TP300009]). The protein was produced from HEK293T cells transfected with PPME1 cDNA clone (Cat# RC200009) using MegaTran 2.0 (Cat# [TT210002]).