

Product datasheet for MR222512L4

Cyth1 (NM_011180) Mouse Tagged Lenti ORF Clone

Product data:

OriGene Technologies, Inc.

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Product Type:	Expression Plasmids						
Product Name:	Cyth1 (NM_011180) Mouse Tagged Lenti ORF Clone						
Tag:	mGFP						
Symbol:	Cyth1						
Synonyms:	CLM1; CTH-1; CYTIP; Pscd1						
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(MR222512).						
Restriction Sites:	Sgfl-Mlul						
Cloning Scheme:							
-	Cloning sites used for ORF Shuttling:						
	Sgf I ORF Mlu I GCG ATC GC ATG // NNN ACG CGT						

EcoR I		amH I	Ri			Koza Consei	nsus	_			
ECORI	В	amhi	RI				gf I			0	RF
CTATAGGGCGGCCGGGAATTCGTC	GACTG	GATCCGG	TACCGAG	GAGATO	стбсс	GCCGCG	ATCG	C C AT	G		
	Mlu I		Notl Xhol			m	GFP	Гад			
NNŇ		GT ACG	CGG CCG R P	CTC G		TG AGC M S	GGG G	GGC G			<u>.</u>
GGA CTC AGA GTT TGG G L R V	i GTA G	GA AGC									

ACCN: ORF Size: NM_011180 1191 bp



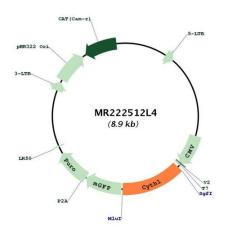
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* The last codon before the Stop codon of the ORF.

ORIGENE Cyth1	(NM_011180) Mouse Tagged Lenti ORF Clone – MR222512L4
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 011180.3, NP 035310.2</u>
RefSeq Size:	3179 bp
RefSeq ORF:	1197 bp
Locus ID:	19157
UniProt ID:	<u>Q9QX11</u>
Cytogenetics:	11 E2
Gene Summary:	Promotes guanine-nucleotide exchange on ARF1, ARF5 and ARF6 (PubMed:18042453, PubMed:20080746). Promotes the activation of ARF factors through replacement of GDP with GTP (PubMed:18042453). Plays an important role in membrane trafficking, during junctional remodeling and epithelial polarization, through regulation of ARF6 activity (PubMed:20080746, PubMed:29420262).[UniProtKB/Swiss-Prot Function]

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Product images:



Circular map for MR222512L4

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