

Product datasheet for **MG206415**

Acy1 (NM_025371) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Acy1 (NM_025371) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Acy1
Synonyms: 1110014J22Rik; Acy-1
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MG206415 representing NM_025371
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACCACCAAGGATCCCGAGTCTGAGCACCCCTCCGTGACGCTCTTCCGCCAGTACCTGCGCATCTGCA
CTGTGCAACCAATCCAGACTATGGAGGGGCCATCACCTCCTGGAGGAGAGAGCCCGCCAGCTGGGTCT
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TCACTCCCTCCATCTTGCTAAACTCCACACAGATGTGGTACCTGTCTCAAGGAACATTGGCATCAGG
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CAGCATCCAGTACCTGGAAGCTGTGAGGAGGCTGAAGAGCGAGGGCCACCGATTCCCTAGGACCATCCAC
ATGACCTTTGTGCCTGATGAGGAGGTCGGAGGTCACAAGGGGATGGAGTTGTTGTGAAGAGGCCTGAGT
TCCAGGCTCTGCGGGCAGGCTTCGCTCTGGACGAGGGCTGGCCAACCCACGGATGCCTTTACTGTCTT
TTATAGTGAGCGGAGTCCTTGGTGGTACGGGTTACCAGCACTGGGAAGCCAGGCCATGCCTCACGCTTC
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GTAGACATGAAGGCCTTCGAGAAGCAGCTGCAGAGATGGTGCCAGGAAGCGGGAGAGGGGTACCTTTG
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CAGCGGAGCCTGCAAGGCAATGAACCTCACTCTGGAGCCAGAGATCTTTCTGCTGCCACTGACAGCCGC
TATATCCGAGCGGTGGGATCCCAGCTCTGGGCTTCTCGCCATGAACCGCACACCTGTCTGCTACATG
ACCATAATGAACGGCTGCATGAGGATATATTTCTCCGTGGGTTGACATATACAGGCCTCCTCTGCG
ACTTGCTAGTGTGCCACCCTGCCTGGTAAAGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206415 representing NM_025371
Red=Cloning site Green=Tags(s)

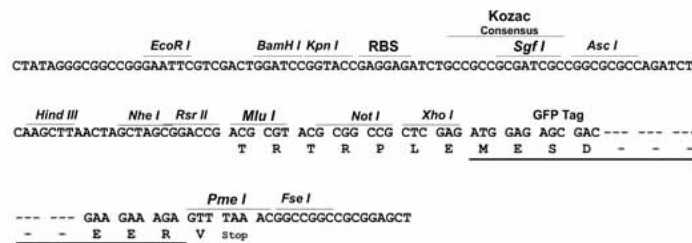
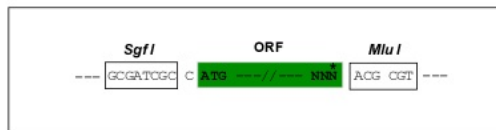
MTTKDPESEHPSVTLFRQYLRICTVQPNPDYGGAITFLEERARQLGLSCQKIEVVPGFVITVLTWPGTNP
 SLPSILLNSHTDVVPVFKHEWHHDPFEAFKDSEGYIYARGSQDMKSVSIQYLEAVRRLKSEGHFRFRTIH
 MTFVPDEEVGGHKGMELFVKRPEFQALRAGFALDEGLANPTDAFTVFYSERSPWVVRVTSTGKPGHASRF
 IEDTAAEKLHKVSISSILAFREKERQRLQANPHLKEGAVTSVNLTKLEGGVAYNVVPATMSASFDFRVAPD
 VDMKAFKQLQRWCQEAGEGVTFEFAQKFTPEPRMTPDSDPWAAAFSGACKAMNLTLEPEIFPAATDSR
 YIRAVGIPALGFSPMNRTPVLLHDHNERLHEDIFLRGVDIYTGLLSALASVPTLPGES

TRTRPLE - GFP Tag - V

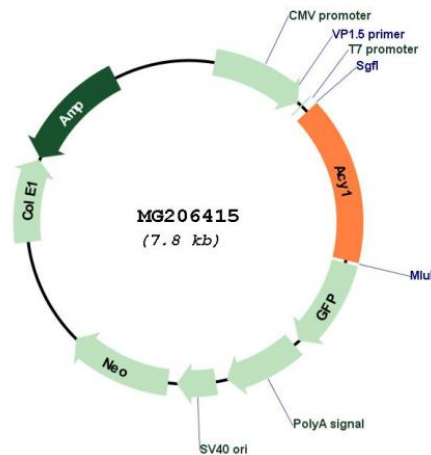
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_025371

ORF Size:	1224 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:	<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.
RefSeq:	NM_025371.1 , NP_079647.1
RefSeq Size:	1432 bp
RefSeq ORF:	1227 bp
Locus ID:	109652
UniProt ID:	Q99JW2
Cytogenetics:	9 57.49 cM
Gene Summary:	Involved in the hydrolysis of N-acylated or N-acetylated amino acids (except L-aspartate). [UniProtKB/Swiss-Prot Function]