

Protein Sequence: >MG216142 representing NM_001033262
 Red=Cloning site Green=Tags(s)

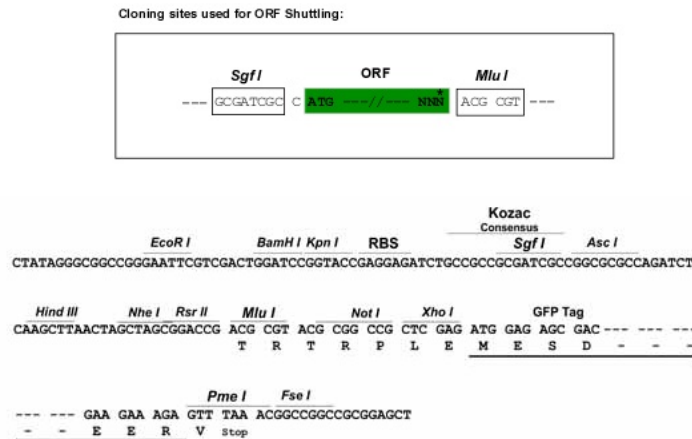
MLKSRLRMFLNELKLLVLTGGGRPRAEPQPRGGGGGCGWAPFAGCSARDGDGDEEYYGSEPRARGLAG
 DKEPRAGPPPPPPPPPPGALDALSLSSSLDGLRTPQCRICFQGEQCELLSPCRCDGSVRCTHQPC
 IRWISERGSWSCELCYFKYQVLAISTKNPLQWQAISLTVIEKVQIAAIVLGSFLVASISWLIWSSLS
 AKWQRQDLLFQICYGMYGMDVVCIGLIVHEGSSVYRIFKRWQAVNQWVNLNDKTKDVGDDTGGGAAG
 KPGPRTSRTSPPAGAPTRPPAAQRMRTLLPQRCGYTILHLLGQLRPPDARSSSHSGREVVMRVTV

TRTRPLE - GFP Tag - V

Chromatograms: https://cdn.origene.com/chromatograms/ja2053_f04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



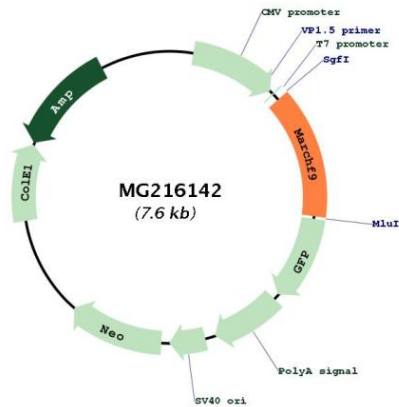
ACCN: NM_001033262

ORF Size: 1044 bp

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
OTI Annotation:	<p>This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.</p>
Components:	<p>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).</p>
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:	<p>Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.</p>
RefSeq:	<p>NM_001033262.2, NP_001028434.1</p>
RefSeq Size:	<p>1998 bp</p>
RefSeq ORF:	<p>1047 bp</p>
Locus ID:	<p>216438</p>
UniProt ID:	<p>Q3T787</p>
Cytogenetics:	<p>10 D3</p>

Gene Summary:

E3 ubiquitin-protein ligase that may mediate ubiquitination of MHC-I, CD4 and ICAM1, and promote their subsequent endocytosis and sorting to lysosomes via multivesicular bodies. E3 ubiquitin ligases accept ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfer the ubiquitin to targeted substrates.[UniProtKB/Swiss-Prot Function]

Product images:

Circular map for MG216142