OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC330735

URM1 (NM_001265582) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: URM1 (NM_001265582) Human Untagged Clone

Tag: Tag Free

Symbol: URM1

Synonyms: C9orf74

Vector: pCMV6-Entry (PS100001)

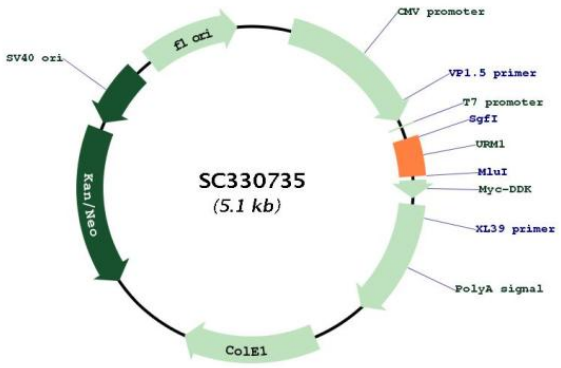
Fully Sequenced ORF:

>SC330735 representing NM_001265582.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGGCTGCGCCCTTGTCAGTGGAGGTGGAGTTCGGAGGTGGTGCGGAGCTCCTGTTTGACGGTATTAAG
AAACATCGAGTCACTTTGCCTGGACAGGAGGAACCCTGGGACATCCGGAACCTGCTCATCTGGATCAAG
AAGAATTTGCTAAAAGAGCGGCCAGAGTTGTTCATCCAGGGAGACAGCGTGTGA

Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_001265582

Insert Size: 192 bp

View online »

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	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_001265582.1
RefSeq Size:	4369 bp
RefSeq ORF:	192 bp
Locus ID:	81605
UniProt ID:	Q9BTM9
Cytogenetics:	9q34.11
MW:	7.1 kDa
Gene Summary:	Acts as a sulfur carrier required for 2-thiolation of mcm(5)S(2)U at tRNA wobble positions of cytosolic tRNA(Lys), tRNA(Glu) and tRNA(Gln). Serves as sulfur donor in tRNA 2-thiolation reaction by being thiocarboxylated (-COSH) at its C-terminus by MOCS3. The sulfur is then transferred to tRNA to form 2-thiolation of mcm(5)S(2)U. Also acts as a ubiquitin-like protein (UBL) that is covalently conjugated via an isopeptide bond to lysine residues of target proteins such as MOCS3, ATPBD3, CTU2, USP15 and CAS. The thiocarboxylated form serves as substrate for conjugation and oxidative stress specifically induces the formation of UBL-protein conjugates.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (3) has an additional segment in the 3' end, compared to variant 2, which reults in a protein (isoform C) with a shorter C-terminus, compared to isoform B. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.