

Product datasheet for **SC213438**

URM1 (NM_001135947) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	URM1 (NM_001135947) Human 3' UTR Clone
Symbol:	URM1
Synonyms:	C9orf74
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001135947
Insert Size:	2000 bp



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Insert Sequence:	>SC213438 3'UTR clone of NM_001135947 The sequence shown below is from the reference sequence of NM_001135947. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site <pre> GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC TGGGGACATGGGAGTACTCCTCCATCCGAGATTGTCAGGTTGAGGTATAGGATACCCATTTTTCTGG TAGAGTCTGTCTCTTCCAGAGCAGCCAGTCTCAGCCCCGTGTTCTCCCAACTCCTGGGGTGGACCTGGG AAGGTGGCCCTGAGGGTCTCCGCTCCCTCTCTCCGACCAGGGTGAGCTGGACTACCAGCTTCAGG ACCAGGACAGCGTCTCTTCATCTCCACTCTGCACGGCGGCTGAGGGCCCTTCTCTGGGCTGGGCACC CTTAGAGGGGAGAACGAAGCAATCAGACATCCCCTTGGGCCCTGCTTCCAGGTCTCCCTGTCCCCCTTG CCTGCCTTCTTCCCTGCTCTGTCCCTAAGCTCCCTCCAGGCAGGAAAAGAGGCCAGGTGCTAAAAAT GAGCCTTTCTCAAGCACGTGAGCAGCGGAAGGCAGACAGGCGCCAGAGCCAGCACTCCCTTTCCAGC AGCTGTGGTGGGGGAGGGTTCCCTCCAGTTTGTCAAGAGTTGAAGGAGGCTCTGTGGCCAGGTGACCT GGCTGCCTTCCACTCCTGTACCTCAGTCTAAACATGGAGTGGCCGCTGACAAGGCGCTCCAGCCCCAG AGCCAGCGTCTTCATGGGGAAGATGAATGGACCTGAGTAGCTGAAGGAAGGCCCTCCCTACCCAAAGA CTGGAGGCTTCTCAGCCTCAATTTCCCTGTCTGTACAGCTGAGGGCTCTGCCTGTCCCCACTGCTATC AGTATGGAACCCAGCTGGGGTCCCCTATTGAGTGCCGACTCCCCCACCAGCCAGAGCTGCTCCTCCA GCCACACCCCTCTGCTCCCCCACCCTAGCCCTTGACCCTGGCTGGCTGCCCGCTCCACAGGCCA CCAGATGGGCTCTGAGACCTCCCCAGGCTGCTTACAGCTCATTCTGCTGGGGGTAGAGATGAGGGGA GGGAGTAAGTTAAACCTTGGACTAGCAAGTAGAAGCCTGGGGGATGCGTGTGCCTCAGTTTCCTCCTC CACAACTGAATATAGTGGCTGAAAAGTGGGAGATACTTGATGGCGCAATGTCCGTTTTCTCCTCTT CCCACCTCTGCAGGAAGCAGGACGGGGCAGGCAGCACCTGGTAGGCACAGTGCTTTGCCCTCCTCCC CTTCCCTTCTGGAAGTCTTGGGGCTCAGTGCTTGCAACAGCCGCTTGGGCAAATAAAAGACTAGGT TGTTTACTAGCCTTGCTTGGAGCTTCATCCTTGAAACGGGTGGCACCTCATATCCCCCAGCCGTGGT CTGTGATACAACCTCTCCATCCTCAGCCTAGGGCTCAGAGCTACCCCTCACCCAAAAGAGGGTGGGG GTGAACACTCAGACAATCTGAGAGGGGTAGTCTAATAGAGCCATCTGGAGAAGGGAGTGGCAGAGCCA GTCTGTGCTGACCAGTCTGTGTCCGGGACGCATCCCCACCCGTCTGTCCAAGGCTTTGTCCACCAGC TGCAGCCAGCAGCCTCAGAACCCAAAATGAGGGTAGCATAGATAAGACTGCTGAGCCCCCTTTCTGTGG TCTTTCTTTCCATGACCTAGAGAAAAGAGCTTTGCTGGAGGGAGACCCCAAAAAGAATTAGGGTGT AACATCCACCAAAAGCATCATCCACCCAAAATGTTGCTTTTATTCTATGTCAATAATTAAGGTGG AATTTCTCTCACCTGTGGAGATGAAAGTGGCAAAAGGTTGTCCAGCAGTGTTGGGGATGGGGTGTG CACATCATTCTTTTGGGGTAGATGACCTGCTGGCTGGTGGGCTTTTCTCCAGGACTACTGCAGGTAGA GACCTCTGGGCTTGTGTGGAGTGGGAGCAGCCGTGTTGGGACTATGGGAGGAGCTGGTCTGGGTGCA AATTAAGGCCAGTGTTGGGGTCTGAGTGTGTCCAGAAAGGCTGTGTGACCAACCCTCACTAGTTCTT ACGCGTAAGCGGCCGCGGCATCTAGATTGCAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG </pre>
Restriction Sites:	Sgfl-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	NM_001135947.2

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]
Locus ID:	81605
MW:	70.5