

## Product datasheet for **SC120357**

### ROMO1 (NM\_080748) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ROMO1 (NM_080748) Human Untagged Clone
Tag:	Tag Free
Symbol:	ROMO1
Synonyms:	bA353C18.2; C20orf52; MTGM; MTGMP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC120357 sequence for NM_080748 edited (data generated by NextGen Sequencing)

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ATGCCGGTGGCCGTGGGTCCCTACGGACAGTCCCAGCCAAGCTGCTTCGACCGTGTCAA
ATGGGCTTCGTGATGGGTTGCGCCGTGGGCATGGCGGCCGGGGCGCTCTTCGGCACCTTT
TCCTGTCTCAGGATCGGAATGCGGGTTCGAGAGCTGATGGCGGCATTGGGAAAACCATG
ATGCAGAGTGGCGGCACCTTTGGCACATTCATGGCCATTGGGATGGGCATCCGATGCTAA
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Clone variation with respect to NM\_080748.2

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_080748 unedited <pre> NGGGGTTTANATTTGTATACAATTATATAGGCGGCCGCGAAATTCGCACCAAGTAGAGCTG AGCGACCCAGCCCGGAGCGAGGTGAGATGCCGGTGGCCGTGGGTCCCTACGGACAGTCC CAGCCAAGCTGCTTCGACCGTGTCAAATGGGCTTCGTGATGGGTTGCGCCGTGGGCATG GCGGCCGGGGCGCTCTTCGGCACCTTTTCTGTCTCAGGATCGGAATGCGGGTTCGAGAG CTGATGGCGGCATTGGGAAAACCATGATGCAGAGTGGCGGCACCTTTGGCACATTCATG GCCATTGGGATGGGCATCCGATGCTAACCATGGTTGCCAACTACATCTGTCCCTCCCAT CAATCCCAGCCCATGTAATAAAAAGAAAGTCTTTGAGTAAAAAAAAAAAAAAAAAAAAAA AAAAAACTCGAGACTAGCTCTAGATTGCGGCCGCGGTTCATAGCTGTTTCTGAACAGATC CGGGTGGCATCCCTGTGACCCCTCCCCAGTGCCTCTCCTGGCCCTGGAAGTTGCCACTC CAGTGCCACCAGCCTTGTCTAATAAAAATTAAGTTGCATCATTTTGTCTGACTAGGTGT CCTTCTATATATTATGGGGTGGGGGTGGGGTTTTTGAACCAAGGGGCAAAGTTGGGAA GACAACCTGTAGGGCCTGCGGGGTCTATTGGGAACCAAGCTGGAGTGCAGTGGCACAATC TTGGCTCACTGCAATCTCCGCTCCTGGGTTCAAGCGATTCTCCTGCCTCAGCCTCCCGA GTTGTTGGGATCCAGGCATGCATGACCAGGCTCAGCTAATTTTTGTTTTTTGGTAGAG ACGGGGTTTACCATATTGGGCCAGCTGGTCTCCACTNCTAATCTCAGTGATCTACCACC TTNGGCTNNCAATGCTGGGATACAGGCGTGA</pre>
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Restriction Sites: NotI-NotI



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<b>ACCN:</b>	NM_080748
<b>Insert Size:</b>	500 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_080748.1</a></u> , <u><a href="#">NP_542786.1</a></u>
<b>RefSeq Size:</b>	602 bp
<b>RefSeq ORF:</b>	240 bp
<b>Locus ID:</b>	140823
<b>UniProt ID:</b>	<u><a href="#">P60602</a></u>
<b>Cytogenetics:</b>	20q11.22
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	The protein encoded by this gene is a mitochondrial membrane protein that is responsible for increasing the level of reactive oxygen species (ROS) in cells. The protein also has antimicrobial activity against a variety of bacteria by inducing bacterial membrane breakage. [provided by RefSeq, Nov 2014]