

Product datasheet for **SC122559**

ROM1 (NM_000327) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ROM1 (NM_000327) Human Untagged Clone
Tag:	Tag Free
Symbol:	ROM1
Synonyms:	ROM; ROSP1; RP7; TSPAN23
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_000327 edited <pre> GGGAGGATGCTCAGGGTATTGGGGTCAGGGTGGCATTAGCCCAGCTCAAGCCGGGCCGGG CTGACTCAGCATCCTGCCCCAGCCAGCTTCCATCCCTGACACCTCTGCACTCCCTTGGGC AGAGATGGGAGATGGCGCCGGTGTGGCCCTGGTGTGCCCTGCAGCCCGCATCCGCC TGGCACAAAGGGCTCTGGCTCCTCTCCTGGCTGCTGGCGTGGCTGGTGGCGTCATCCTCC TCTGTAGTGGGCACCTCCTGGTCCAGCTAAGGCACCTTGGCACCTTCTGGCTCCCTCCT GTCAGTTCCTGTCTGCCCCAGGCTGCCCTGGCAGCGGGCGGGTGGCTCTGGGCACAG GACTAGTGGGTGTAGGAGCCAGCCGGGCAAGTCTGAATGCAGCTCTATACCCTCCCTGGC GAGGGGTCTGGGCCGCTGCTGGTGGCTGGCACGGCTGGTGGGGGGGGCTCCTGGTCG TCGCCCTCGGGCTAGCCCTGGCTTTGCCTGGGAGTCTGGATGAGGCGCTGGAGGAGGGCC TGGTGACTGCCTTGGCTCACTACAAGGACACAGAGGTGCCTGGGCACTGTCAGGCCAAAA GGCTGGTGGATGAGCTGCAACTGAGGTACCACTGCTGCGGGCGCCACGGGTACAAGGATT GGTTTGGGGTCCAGTGGGTGAGCAGCCGTTACCTGGATCCCGGTACCGGGATGTGGCTG ACCGGATCCAGAGCAATGTAGAAGGCCTATACCTGACTGATGGGGTCCCTTTCTCCTGTT GCAACCCCACTACCCCGCCCTTGCTTGCAAAACCGTCTTTCAGACTCCTACGCCCAACC CCCTGTTTCGATCCCCGACAACCAACCAAAACCTCTGGGCCCAAGGGTGCCATGAGGTGC TGCTGGAGCACTTGCAAGGACTTGGCAGGCACACTGGGTAGCATGCTGGCTGTACCTTCC TACTGCAGGCTCTGGTGTCTTGGCTGCGGTACCTGCAAAACAGCACTGGAGGGGCTTG GAGGGGTCAATTGATGCGGGAGGAGAGACCCAGGGCTATCTCTTTCCAGTGGGCTGAAAG ATATGCTGAAAACAGCATGGCTACAGGGAGGGGTTGCCTGCAGGCCAGCACCTGAGGAGG CCCCACCAGGAGAAGCACCTCCCAAGGAGGATCTATCTGAGGCCTAGAGGCCTGGAGCTT GGGGTGAGGAAGAGGGAGGGATGGACAAGTCTGAAAACCTCACAACCTCCTTACCAAGGCT CCAGGTTGGGGGATCGTAGGATTAGAGGGGCTAAGGATAGTCAGCGAGCTGGACTGGGG TAAGAAAGAAAACAGATGTCCTAGGGCCTAGCCCTTGTAGTCAGAACCAACAGGGAACA GCAAGAAGACAGAGTGATGGGAAAGTGACATGAGAAGGCCTGGAGGCTGATTCTGATATAG ACTCAATAAAGTTTTTGGATGGAAAAAAAAAAAAAAAAA </pre>



[View online »](#)

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_000327 unedited <pre> NGACTCACATTGGATTTGTAATACGACTTACTATAGGCGGCCGCGCATTCCCGGGNTATC GTCGACCCACGCGTCCGGGGAGGATGCTCAGGGTATTGGGGTCAGGGTGGCATTAGCCCA GCTCAAGCCGGGCGGGCTGACTCAGCATCCTGCCCCAGCCAGCTTCCATCCCTGACACC TCTGCACTCCCTTGGGCAGAGATGGGAGATGGCGCCGGTGTGCCCTGGTGCTGCCCT GCAGCCCCGCATCCGCTGGCACAAGGGCTCTGGCTCCTCTCTGGCTGCTGGCGCTGGC TGGTGGCGTCATCCTCCTCTGTAGTGGGCACCTCCTGGTCCAGCTAAGGCACCTTGGCAC CTTCTGGCTCCCTCCTGTCTCAGTTCCCTGTCTGCCCCAGGCTGCCCTGGCAGCGGGCGC GGTGGCTCTGGGCACAGGACTAGTGGGTGTAGGAGCCAGCCGGGCAAGTCTGAATGCAGC TCTATACCCTCCCTGGCGAGGGGTCTGGGCCCGCTGCTGGTGGCTGGCACGGCTGGTGG GGGGGGGCTCCTGGTCGTCGCCCTCGGGCTAGCCCTGGCTTTGCCTGGGAGTCTGGATGA GGCGCTGGAGGAGGGCTGGTACTGCCTTGGCTACTANCAGGACACAGAGGTGCCTGG GCACTGTCAGGCCAAAAGGCTGGTGGATGAGCTGCAACTGAGGTACCACTGCTGCGGGCG CCACGGGTACAAGGATTGTTTGGGGTCAGTGGGTGAGCAGCCGTTACCTGGATCCCGT GACCNCGATGTGGCTGACCGGATCCAGAGCATGTAGAAGGGCTATACCTGACTGATGGGG TCCTTTCTNCTGTTGCACCCCCACTCACCCGCCTTGCT </pre>
Restriction Sites:	Please inquire
ACCN:	NM_000327
Insert Size:	1477 bp
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_000327.2 , NP_000318.1
RefSeq Size:	1477 bp
RefSeq ORF:	1056 bp
Locus ID:	6094
UniProt ID:	Q03395
Cytogenetics:	11q12.3
Protein Families:	Druggable Genome, Transmembrane

Gene Summary:

This gene is a member of a photoreceptor-specific gene family and encodes an integral membrane protein found in the photoreceptor disk rim of the eye. This protein can form homodimers or can heterodimerize with another photoreceptor, retinal degeneration slow (RDS). It is essential for disk morphogenesis, and may also function as an adhesion molecule involved in the stabilization and compaction of outer segment disks or in the maintenance of the curvature of the rim. Certain defects in this gene have been associated with the degenerative eye disease retinitis pigmentosa. [provided by RefSeq, Jul 2008]