

Product datasheet for **SC322413**

SQOR (NM_021199) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SQOR (NM_021199) Human Untagged Clone
Tag:	Tag Free
Symbol:	SQOR
Synonyms:	CGI-44; PRO1975; SQR; SQRD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:	>OriGene sequence for SC322413 <pre> ACCGAAGGCTCCGCTCACGCCCGGCCTGATCCTGCCTGAAGATGGTGCCACTGGTGGCTG TGGTATCAGGGCCCCGTGCCAGCTCTTTGCCTGCCTGCTCAGGCTGGGCACTCAGCAGG TCGGCCCCCTTACAGTGACACCCGGGGCCAGCCATGCGGCCAGGAACATTATGAGGTGC TGGTGTGGGTGGGGCAGTGGCGGAATCACCATGGCTGCCCCGATGAAGAGGAAAGTGG GTGCAGAGAATGTGGCCATTGTTGAGCCAGTGAGAGACATTTCTACCAGCCAATCTGGA CACTGGTGGGTGCTGGTGCCAAACAATTGCTCATCTGGTCGTCACGCAAGTGTGA TTCCATCTGGTGTAGAATGGATCAAAGCTAGAGTGACTGAGTTGAACCCAGACAAGAACT GCATTCACACAGATGACGACGAGAAGATCTCCTACCGATATCTTATTATTGCTCTCGAA TCCAGCTGGACTATGAGAAGATTAAGGCCTACCTGAAGGTTTCGCTCATCCCAAATAG GGTGAATTATTCAGTTAAGACTGTAGAGAAGACATGGAAGCTCTGCAGGACTTCAAAG AGGGCAATGCCATCTTACCTTCCCAAATACTCCAGTGAAGTGTGCTGGAGCCCCCTAGA AGATCATGTACTTATCAGAAGCCTACTTCAGGAAGACAGGGAAGCGATCCAAGGCCAATA TCATTTTCAACACTTCTCTTGGAGCCATTTTCGGGGTTAAGAAGTATGCAGATGCCCTGC AGGAGATCATCCAGGAGCGGAACCTCACTGTTAACTACAAGAAAAACCTATTGAAGTCC GAGCCGATAAACAAAGAGGCTGTATTTGAGAACCTGGACAAACCAGGAGAGACCCAAGTGA TTTCATATGAAATGCTTCATGTACACCTCCAATGAGCCACCAGATGTCTCAAGACCA GTCCTGTGGCTGATGCTGCTGGTTGGTGGATGTGGATAAAGAAACTCTGCAACACAGGA GGTACCCAAATGTGTTTGGGATTGGGACTGCACCAACCTTCTACGTCAAAGACCGCTG CTGCAGTAGCTGCCAGTCAGGAATACTTGATAGGACAATTTCTGTAATTATGAAGAATC AAACACCAACAAAGAAGTATGATGGCTACACATCATGTCCACTGGTGACCGGCTACAACC GTGTGATTCTTGCTGAGTTTGACTACAAAGCAGAGCCGCTAGAAACCTTCCCTTTGATC AAAGCAAAGAGCGCCTTTCCATGTATCTCATGAAAGCTGACCTGATGCCTTTCCTGTATT GGAATATGATGCTAAGGGGTTACTGGGGAGGACCAGCGTTTCTGCGCAAGTTGTTTCATC TAGGTATGAGTTAAGGATGGCTCAGCACTTGCTCATCTTGGATGGCTTCTGGGCCAAAAC TGCAGTCACTGAATGACCAAGAGCAGCAGCAAGGACTTGAACCTATCCTTGTAAGAGT TCCTTGATGGGTAATGGTGACCAATGCCTCCCTTTTCAGTACCTTTGAACAGCAACCAT GTGGGCTACTCATGATGGGCTTGATTCTTTGGAATAATAAAATGAAATAATACTTTTAT TTTCTGAATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA </pre>
Restriction Sites:	Please inquire
ACCN:	NM_021199
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_021199.2, NP_067022.1</u>
RefSeq Size:	1682 bp
RefSeq ORF:	1353 bp
Locus ID:	58472
UniProt ID:	<u>Q9Y6N5</u>
Cytogenetics:	15q21.1
Protein Families:	Druggable Genome
Gene Summary:	The protein encoded by this gene may function in mitochondria to catalyze the conversion of sulfide to persulfides, thereby decreasing toxic concentrations of sulfide. Alternative splicing results in multiple transcript variants that encode the same protein. [provided by RefSeq, Sep 2012] Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein.