

Product datasheet for **RN202318**

Sardh (NM_053664) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sardh (NM_053664) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Sardh
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN202318 representing NM_053664
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTTCACTGAGCCGGTCTCCGTGTAGCTGCCACCTGTCCTCGAGGGAGATCTGCTCGCAACCTGG
 GGCTACAGCCCCTAGCCAGGGAGGCCAGGCCACCACTGAGAAGAGTGTTCCATACCAGTGCACCCTGAA
 GGAGGAGGCCAAGGTGCCTCTGTGGTGCCCAAGGACCAAGCCAGCCCTGCCTAGCACAGCCAATGTT
 GTGGTCATTGGTGGGGCAGTTTGGGCTGCCAGACTCTGTACCACTTGGCCAAGCTGGGTGTAGGTGGAG
 TTGTGCTGCTGGAGAGAGCGACTGACCTCTGGGACCACCTGGCACACAGCAGGCCCTACTGTGGCAGCT
 GCGGCCACAGCGATGTGGAAGTAGAGCTTCTGGCTCACACACGGCAAGTGGTGAGCCATGATCTGGAAGAG
 GAGACTGGGCTTACACAGGCTGGATCCAGAATGGTGGCCTTTCATCGCCTCAACCAGCAGCGCCTGG
 ATGAATAACAAGAGGCTCATGTGCTTGGCAAGGCCTACGGTATAGAATCCCATGTGCTGAGCCCTGCAGA
 GACCAAGGATCTGTATCCGCTGATGAATGTGGACGACCTCTATGGGACCCTGTATGTGCCTCGGGATGGT
 ACCATGGACCCGGCTGGCACCTGCACTACCCTCACCAGAGCAGCAGTGGCTAGGGGAGCTCAGGTCAATTG
 AAAACTGTGCACTGACTGGCATCCGTGTGCGGACAGACGACTTTGGAGTGCGGCGGGTGACAGCTGTGGA
 GACTCAACATGGCTCCATCCAGACACCCTGCGTGGTCAACTGTGCAGGGGTGTGGGCGAGCTCCGTGGGC
 CGGATGGCTGGAGTGAAGTCCCCTGGTGGCCATGCACCATGCCTACGTTGTCAGTGCAGCGCATTGAGG
 GGATCCAGAACATGCCCAATGTCCGGGATCATGATGCTTCTGTCTACCTCCGCTGCAGGGGGATGCCTT
 GTCTGTGGGTGGCTATGAGGCCAACCCATCTTTGGGATGAGGTGTGAGACAAATTTGCCTTTGGCCTC
 TTTGACCTGGACTGGGATGTGTTCACTCAGCACATTGAAGTGCCTTCAACACCCGACCATAAGCCCTGTGGGGA
 AAACGGGGATCAAGTCCACTGTCTGTGGCCCTGAATCCTTACACCCGACCATAAGCCCTGTGGGGA
 GGCTCCTGAGCTCCGAGGCTTCTTCTTGGCTGTGGCTTCAACAGTGCAGGCATGATGTTGGGTGGTGGC
 TGTGGACAGGAGCTGGCCATTGGATTGTGCATGGGCGCCAGAGAAGGACATGTACAGCTATGACATCA
 GGCGTTTTCCACCCTCGCTCACGGACCACCCACGCTGGATCCGAGAGCGCAGCCACGAGTCTATGCCAA
 GAACTACTCGTTGTCTTCTCACGATGAGCCCTGGCGGGCCGAACATGAGGAGGGACCCTCTGCAC
 GAGGAGCTGCTTGGACAAGGCTGTGTGTTCAAGAACGACAGGGCTGGGAACGGCCAGGATGTTCAACC
 CCCAAGAAACAGCTCAGGTCTAGACTACGACTACTATGGGGCTACGGACACCAGGCACACAAGGACTA
 CGCCTACAGCAGGCTGCTGGGCGATGAATATACCTTCGACTTCCCACCCACCCTGCGTATCCAGAAG
 GAATGTCTGGCCTGCAGAACGGCTGCCCGGTGTTCAACATGTCTTACTTCGGGAAGTTCTACCTTCTGG
 GGGCAGAGCGCCAGGAAGGCTCCAGACTGGCTTCTCAGCAGATGTCAACCGACCCCCAGGCTCCACGGT
 GTACACATGCATGCTGAACCAACGGGGAGGCACCGAGAGCGACCTGACTGTTAGTGCCTGGCCCCCTGGT
 GCCCAGGCCAGTCCCCTGGCCCCCTGCCTTTGAAGGGATGGCTACTACCTAGCCGTAGGTGGGGCTGTGG
 CCCAACATAAAGTGGTCCCACATAAACACGGTGTGCAGGATCAGGAGTCCGGTGCCAGCTTATGGATTG
 TTCTGAAGATCTGGGCATGCTCAGTATCCAGGGCCAGCCAGCCGTGACATTCCTCAGGATGTGCTTGTG
 GCTGACCTGAGCAATGAAGCCTTCCCCTTCTCCACCCACCAGTGGTGGAGCTGCTGGACACCTGGTCC
 GAGCCATCCGGCTATCCTTTGTCCGGGAGCTGGGATGGGAGCTGCATGTGCCCAAGCGTCTGCTTGC
 TGTGTACCGGGCTGTGATGGCTGCAGGGGCAAGCACGGCCTAGTCAATGCAGGCTACCGTCCCATCGAC
 TCCCTGAGCATTGAGAAAAGGCTATCGGCACTGGCATGCAGACCTGAGGTCCGATGACAGCCCTGGAGG
 CAGGGTTGGCCTTCACTGCAAGCTCAAGACCTCAGTGCCTTCTAGGCCGAGAGGCCCTGGAGAAGCA
 GCGTGGCCACAGGCTCCGACGACGCTGGTGTGCCTCACTGTGGAAGAGGAGTTCTATGTTCCGCCTA
 GAGGCCATCTGGAGAAATGGCCAAGTGGTGGGCCATGTCCGGAGAGCTGACTTTGGATTACCGTGAACA
 AGACCATGCCTATGGCTACATCCGAGACCCAGTGGAGGGCCAGTCTCTGACTTTGTGAAGAAATGG
 GGACTATGCCTTGGAGAGAAATGGGGTACCTATGCTGCCAGGTTACCTGAAGTCTCCCTTTGATCCT
 GACAACAAGCGGGTGAAGGAATCTAT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN:	NM_053664
Insert Size:	2760 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:	<ol style="list-style-type: none">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_053664.2 , NP_446116.1
RefSeq Size:	3069 bp
RefSeq ORF:	2760 bp
Locus ID:	114123
UniProt ID:	Q64380
Cytogenetics:	3p12
Gene Summary:	a flavoenzyme involved in the oxidative degradation of choline to glycine [RGD, Feb 2006]