

Product datasheet for **SC214301**

Serine racemase (SRR) (NM_021947) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Serine racemase (SRR) (NM_021947) Human 3' UTR Clone
Symbol:	Serine racemase
Synonyms:	ILV1; ISO1
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_021947
Insert Size:	1417 bp



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Insert Sequence: >SC214301 3'UTR clone of NM_021947
 The sequence shown below is from the reference sequence of NM_021947. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CCAGCTTCTTATCAGTCTGTTTCTGTTTAAATTTACAGAAAAGGAAATGGTGGGAATTCAGTGTCTTTAG
ATACTGAAGACATTTTGTTCCTAGTATTGTCAACTCTTAGTTATCAGATTCTTAATGGAGAGTGGCTA
TTTCATTAAGATTTAATAGTTTTTTTTGGACTAAGTAGTGAAAAAATTTTATACTTAAGTACTGAGACATT
TTGTCAAGGCTAAAAAAGTCTTGCAAAATGGGGCAGTGGACTGACAGGCTGACATAGAAAATAAACT
TTGCCAATCACAACTTGTGCCTCCCATCCCTGGAGTACTGACTGGCACCAGGTAAGACAGAATCTCTTT
GAATCCATTACTCCATGCCCCCTGAGGCACTGTTGAAGAAATCTCACTTTTCAGCCAGGTTACTGGTT
CTGGTACATATGGATCATAAGTCCATTTGGGGAAGACTCGTTTATACAGGTTTCATCAGTACTGTGTCTT
GAGATTTTAGCTTCCCATCAAAGCTGCATTTTCATGTGGCCATGGGTACCTAGAAAAGACATCAGAACAAG
TCGGTCAAATTAAGTAGAAAATTTTAAAGCAATGACTTCCAACCCAACAGTCATTTAGCAACTGC
AGAAATGCAGACATGGTCTCAAATCCCCTGTTTCTTACCTAAAGGTTCCCTTGATATGTCCTCTCCGGC
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CAAGATGAAACATTTACCACAAAATGTAACCCAACCTTTATACCACAAAGGCAATCAGATCCCATCC
TCCTCCTTCATACCCACCTCTGTTGAAGAACATGTAACGTAAGTACTACTGCCATCTTAGTAAAAATTTGAA
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AGCAATGAGGCTGTGCATTCCTAAAGGACAAAAGCAAAGAAGCTATTTAGGAATTTACAGGCCAAAGTC
TTCATTTATTGCCAGTCCATTTAAAGACCCATGCAAGAGCCTGGTTTGTATCCCTGCCCTAGCCCAA
CTGAGGCTAAGATTGGTAAACTGTAAGCCACACTTAACTTGTCAATAGGTTCTTAAAACTTGTAC
TTCAAGAGAAATGATGTATAACAAAACATACTTTTTCTCATCAGTTGTTACAAGGAAAGGATGTTGAA
CAAAAGGCAGTTATTTGAGGACTGGCTATACACTGTTTACGTAAAAGTTGGAGTTTTATTGTTCTAT
TAACAATGTTAAATGAAGACTTACTGTATTTTAAAAACCATTACCTTCTCCATACCATTGGCTCC
CAAATTTAAATAAACAAGAGAAAACGGTGTTCATCTA
ACGCGTAAAGCGCCGCGCATCTAGATTGCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
  
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Restriction Sites: SgfI-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_021947.3](#)

Summary: Catalyzes the synthesis of D-serine from L-serine. D-serine is a key coagonist with glutamate at NMDA receptors. Has dehydratase activity towards both L-serine and D-serine. [UniProtKB/Swiss-Prot Function]

Locus ID: 63826

MW: 53.9