

Product datasheet for **SC316228**

ARSA (NM_001085426) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: ARSA (NM_001085426) Human Untagged Clone
Tag: Tag Free
Symbol: ARSA
Synonyms: ASA; MLD
Vector: pCMV6 series

Fully Sequenced ORF: >NCBI ORF sequence for NM_001085426, the custom clone sequence may differ by one or more nucleotides

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ATGGGGGCACCGCGTCCCTCCTCTGGCCCTGGCTGCTGGCCTGGCCGTTGCCCGTCCG
CCCAACATCGTGCTGATCTTTGCCGACGACCTCGGCTATGGGGACCTGGGCTGCTATGGG
CACCCAGCTCTACCACTCCCACTGGACCAGCTGGCGCGGGAGGGCTGCGGTTACACA
GACTTCTACGTGCCTGTGTCTGTGCACACCCTTAGGGCCGCCCTCTGACCGGCCGG
CTCCCGGTTCCGATGGGCATGTACCCTGGCGTCTGGTGCCAGCTCCCGGGGGGCGCTG
CCCCTGGAGGAGGTGACCGTGGCCGAAGTCTGGCTGCCGAGGCTACCTCACAGGAATG
GCCGGCAAGTGGCACCTTGGGGTGGGGCCTGAGGGGGCCTTCTGCCCCCATCAGGGC
TTCCATCGATTTCTAGGCATCCCGTACTCCACGACCAGGGCCCTGCCAGAACCTGACC
TGCTTCCCGCGGCCACTCCTTGCACGGTGGCTGTGACCAGGGCCTGGTCCCCATCCCA
CTGTTGGCCAACCTGTCCGTGGAGGCGCAGCCCCCTGGCTGCCCGGACTAGAGGCCCGC
TACATGGCTTTCGCCATGACCTCATGGCCGACGCCAGCCAGGATCGCCCTTCTTC
CTGACTATGCCTCTCACCACACCCACTACCCTCAGTTCAGTGGGAGAGCTTTCAGAG
CGTTCAGGCCGCGGGCCATTTGGGGACTCCCTGATGGAGCTGGATGCAGCTGTGGGGACC
CTGATGACAGCCATAGGGGACCTGGGGCTGCTTGAAGAGACGCTGGTTCATCTTCACTGCA
GACAATGGACCTGAGACCATGCGTATGTCCCAGGGCGGCTGCTCCGGTCTCTTGGGTGT
GGAAAGGGAACGACCTACGAGGGCGGTGCCGAGAGCCTGCCTTGGCCTTCTGGCCAGGT
CATATCGTCCCGCGGTGACCCACGAGCTGGCCAGCTCCCTGGACCTGCTGCCTACCCTG
GCAGCCCTGGCTGGGGCCCCACTGCCAATGTACCTTGGATGGCTTTGACCTCAGCCCC
CTGCTGTGGGCACAGGCAAGAGCCCTCGGCAGTCTCTTCTTCTACCCGTCCTACCCA
GACGAGTCCGTGGGTTTTTGTGTGCGGACTGGAAAGTACAAGGCTCACTTCTTACC
CAGGGCTCTGCCACAGTGATACCACTGCAGACCCTGCCTGCCACGCCTCCAGCTCTCTG
ACTGCTCATGAGCCCCGCTGCTCTATGACCTGTCCAAGGACCCTGGTGAGAACTACAAC
CTGCTGGGGGGTGTGGCCGGGGCCACCCAGAGGTGCTGCAAGCCCTGAAACAGTTCAG
CTGCTCAAGGCCAGTTAGACGCAGCTGTGACCTTCGGCCCCAGCCAGGTGGCCCCGGGC
GAGGACCCCGCCCTGCAGATCTGCTGTATCCTGGCTGCACCCCCCGCCAGCTTGTGTC
CATTGCCAGATCCCCATGCC
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Restriction Sites: Please inquire
ACCN: NM_001085426



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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:	<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_001085426.1 , NP_001078895.1
RefSeq Size:	1918 bp
RefSeq ORF:	1524 bp
Locus ID:	410
UniProt ID:	P15289
Cytogenetics:	22q13.33
Protein Families:	Druggable Genome
Protein Pathways:	Lysosome, Sphingolipid metabolism
Gene Summary:	<p>The protein encoded by this gene hydrolyzes cerebroside sulfate to cerebroside and sulfate. Defects in this gene lead to metachromatic leucodystrophy (MLD), a progressive demyelination disease which results in a variety of neurological symptoms and ultimately death. Alternatively spliced transcript variants have been described for this gene. [provided by RefSeq, Dec 2010]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR compared to variant 1. Variants 1, 2, 3, and 4 encode the same isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>