

Product datasheet for **SC336723**

ARSL (NM_001282631) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARSL (NM_001282631) Human Untagged Clone
Tag:	Tag Free
Symbol:	ARSL
Synonyms:	ARSE; ASE; CDPX; CDPX1; CDPXR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC336723 representing NM_001282631.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGTCAGGAAGTAGAGAGAGACAACATGTTACATCTGCACCATTCTTGACTCCGAATATTGACCGC
CTTGACAGAGACGGCGTGAAGCTGACCCAACACATCTCTGCCGCATCTTTGTGCACCCCAAGCAGAGCC
GCCTTCTCACGGGCAGATACCCTGTGCGATCAGGGATGTTTTCCAGCATTGTTTACCGTGTCTTCAG
TGGACCGGAGCATCTGGAGGTCTTCCAACAAATGAGACAACCTTTTGCAAAAATACTGAAAGAGAAAAGGC
TATGCCACTGGACTCATTGAAAAATGGCATCTGGGTCTCAACTGTGAGTCAGCCAGTGATCATTGCCAC
CACCTCTCCATCATGGCTTTGACCATTCTACGGAATGCCTTTCTCCTTGATGGGTGATTGCGCCCGC
TGGAACTCTCAGAGAAGCGTGTCAACCTGGAACAAAACTCAACTTCTCTTCCAAGTCTGCCCTTG
GTTGCCCTCACACTGGTAGCAGGAAGCTCACACCTGATACCCGTCTCGTGGATGCCGGTCATCTGG
TCAGCCCTTTCGGCCGTCTCTCTCGCAAGCTCCTATTTTGTGGGTGCTCTGATTGTCCATGCCGAT
TGCTTTCTGATGAGAAACCACACCATCACGGAGCAGCCATGTGCTTCCAAGAACGACACCCCTTATT
CTGCAGGAGGTTGCGTCCTTTCTCAAAGGAATAAGCATGGGCCTTCTCCTCTTTGTTTCTTTCTA
CACGTTACATCCCTCTTATCACTATGGAGAATTCTCGGGAAGAGTCTCCACGGGCTGTATGGGGAC
AACGTAGAGGAGATGGACTGGATGGTAGGACGGATCCTTGACACTTTGGACGTGGAGGGTTTGAGCAAC
AGCACCTCATTATTTTACGTCGGATCACGGCGGTTCCCTAGAGAATCAACTTGGAAACACCCAGTAT
GGTGGCTGGAATGGAATTTATAAAGGTGGGAAGGGCATGGGAGGATGGGAAGGTGGGATCCGCGTGCCC
GGGATCTTCCGCTGGCCCGGGTCTCCCGCCGGCCGAGTATTGGCGAGCCCACGAGTCTGATGGAC
GTGTTCCCAACCGTGGTCCGGCTGGCGGGCGGCGAGGTGCCCAAGACAGAGTATTGACGGCAAGAC
CTTCTGCCCTTGCTCTGGGACAGCCCAACACTCAGACCAGAGTTCTGATGCATTATTGTGAGAGG
TTTCTGCACGCAGCCAGGTGGCATCAACGGGACAGAGGAACAATGTGAAAGTCCACTTTGTGACGCCT
GTGTTCCAGCCAGAGGGACCGGTGCTGCTATGGAAGAAAGGTCTGCCCGTGTGTTGGGAAAAAGTA
GTCCACCACGATCCACCTTTGCTCTTTGACCTCTCAAGAGACCCTTCTGAGACCCACATCTCACACCA
GCCTCAGAGCCCGTGTCTATCAGGTGATGGAACGAGTCCAGCAGGCGGTGTGGAAACACCAGCGGACA
CTCAGCCAGTTCCTCTGCAGCTGGACAGGCTGGCAACATCTGGAGACCGTGGCTGCAGCCCTGCTGT
GGCCCGTTCCTCTGCTGGTGCCTTAGGAAGATGACCCACATAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: Sgfl-Mlul

ACCN: NM_001282631

Insert Size: 1635 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:	<u>NM_001282631.1</u>
RefSeq Size:	1990 bp
RefSeq ORF:	1635 bp
Locus ID:	415
Cytogenetics:	Xp22.33
Protein Families:	Druggable Genome, Transmembrane
MW:	61.1 kDa
Gene Summary:	<p>Arylsulfatase E is a member of the sulfatase family. It is glycosylated postranslationally and localized to the golgi apparatus. Sulfatases are essential for the correct composition of bone and cartilage matrix. X-linked chondrodysplasia punctata, a disease characterized by abnormalities in cartilage and bone development, has been linked to mutations in this gene. Alternative splicing results in multiple transcript variants. A pseudogene related to this gene is located on the Y chromosome. [provided by RefSeq, Sep 2013]</p> <p>Transcript Variant: This variant (3) contains an alternate 5' terminal exon, lacks two alternate exons in the coding region and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (3) has a distinct N-terminus and is shorter than isoform 1.</p>