

Product datasheet for **RC239105**

ARSL (NM_001282628) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARSL (NM_001282628) Human Tagged ORF Clone
Tag:	Myc-DDK
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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ORF Nucleotide Sequence:

>RC239105 representing NM_001282628
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGACCCGTGATTAATAGATGTGCTCCAGGCTCCCTTGATTTGATGTTGCCCCAGGCAGCCTCAGAAG
 GAATTGATTTTCATTCTCTGCAATCAGTTTGTGTTTCAGGAGCTGGCTGCCAGCGATGCTCGCTGACT
 GCTAAGTTTGGCACCATCAGCTTCCAGCGACATTTCCGCCTCCCGACCGAACATCCTTCTCTGATGGCG
 GACGACCTTGGCATTGGGGACATTGGCTGCTATGGCAACAACACCATGAGGACTCCGAATATTGACCGCC
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 CCACTGGACTCATTGGAAAATGGCATCTGGGTCTCAACTGTGAGTCAGCCAGTGATCATTGCCACCACC
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 CAGGTGATGGAACGAGTCCAGCAGGCGGTGTGGGAACACCAGCGGACACTCAGCCAGTTCTCTGCAGC
 TGGACAGGCTGGCAACATCTGGAGACCGTGGTGCAGCCCTGCTGTGGCCCGTCCCCCTCTGCTGGTG
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Protein Sequence:

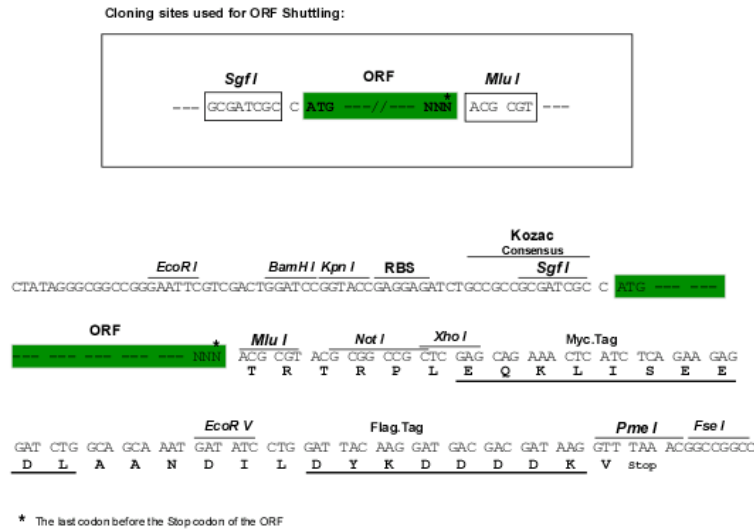
>RC239105 representing NM_001282628
 Red=Cloning site Green=Tags(s)

MRPVINRCAPGSLDMLPQAASEGIVFHSLSLQISLCFRSWLPAMLAVLLSLAPSASSDISASRPNIILLMA
 DDLGIGDIGCYGNNTMRTPNIDRLAEDGVKLQHISSASLCTPSRAAFLTGRYPVRSGMVSSIGYRVLQW
 TGASGGLPTNETTFAKILKEKGYATGLIGKWHLGLNCESASDHCHHPLHHGFDHFYGMPPSLMGDCARWE
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 MRNHTITEQPMCFQRTTPLILQEVASFLKRNKHGPFLLFVSFLHVHIPLITMENFLGKSLHGLYGDNVEE
 MDWMVGRILDITLDVEGLSNSTLIYFTSDHGGSLNQLGNTQYGGWNGIYKGGKGMGGWEGGIRVPGIFRW
 PGVLPAGRVIGEPTSLMDVFPTVVRLAGGEVPQDRVIDGQDLLPLLLGTAQHSDFELMHYCERFLHAAR
 WHQRDRGTMWKVHFVTPVFQPEGAGACYGRKVCPCFGEKVVHHDPLLLFDLSRDPSETHILTPASEPVFY
 QVMERVQQAQVWEHQRTLSPVPLQLDRLGNIWRPWLQPCCGPFPLCWCLREDDPQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001282628

ORF Size: 1842 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

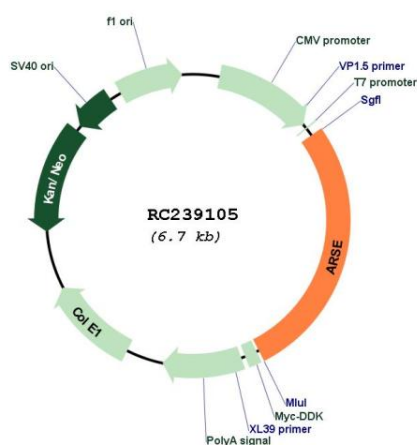
RefSeq: [NM_001282628.1](#), [NP_001269557.1](#)

RefSeq Size: 2506 bp

RefSeq ORF: 1845 bp

Locus ID:	415
Cytogenetics:	Xp22.33
Protein Families:	Druggable Genome, Transmembrane
MW:	68.7 kDa
Gene Summary:	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]

Product images:



Circular map for RC239105