

Product datasheet for **SC318031**

Arylsulfatase J (ARSJ) (NM_024590) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arylsulfatase J (ARSJ) (NM_024590) Human Untagged Clone
Tag:	Tag Free
Symbol:	ARSJ
Synonyms:	ASJ
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

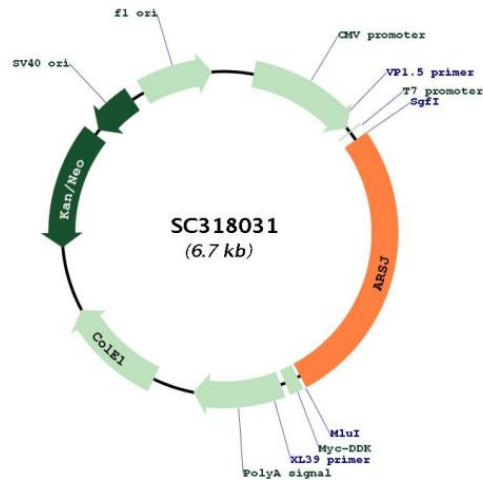


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Fully Sequenced ORF: >SC318031 representing NM_024590.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGCTCCCAGGGGCTGTGCGGGGCATCCGCCTCCGCCTTCTCCACAGGCCTGTGTCTGCTGGAAG
ATGCTAGCAATGGGGCGCTGGCAGGATTCTGGATCCTCTGCCTCCTCACTTATGGTTACCTGCTCTGG
GGCCAGGCCTTAGAAGAGGAGGAAGAAGGGCCCTTAGCTCAAGCTGGAGAGAACTAGAGCCAGC
ACAACCTCCACCTCCAGCCCATCTCATTTCATCCTAGCGGATGATCAGGGATTTAGAGATGTGGGT
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TACTATGTCCAGCCTATTTGCACACCATCCAGGAGTCAGTTTATTACTGGAAAGTATCAGATACACACC
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GGATAA
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TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI

Plasmid Map:


ACCN: NM_024590

Insert Size: 1800 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).

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:

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_024590.3](#)

RefSeq Size: 4689 bp

RefSeq ORF: 1800 bp

Locus ID: 79642

UniProt ID: [Q5FYB0](#)

Cytogenetics: 4q26

Protein Families: Druggable Genome, Secreted Protein

MW: 67.2 kDa

Gene Summary: Sulfatases (EC 3.1.5.6), such as ARSJ, hydrolyze sulfate esters from sulfated steroids, carbohydrates, proteoglycans, and glycolipids. They are involved in hormone biosynthesis, modulation of cell signaling, and degradation of macromolecules (Sardiello et al., 2005 [PubMed 16174644]).[supplied by OMIM, Mar 2008]