

Product datasheet for **SC106488**

Arylsulfatase J (ARSJ) (AL832949) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arylsulfatase J (ARSJ) (AL832949) Human Untagged Clone
Tag:	Tag Free
Symbol:	ARSJ
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for AL832949, the custom clone sequence may differ by one or more nucleotides

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CGGACGCGTGGGCGGACGCGTGGGCAGCATTATGCCAACGATAATTTAACTAGAAAAAGTTCCTGAGAGA  
ATAACAAATCTGTGATTTTATTATGCTTTTATCATGTTTTGCAGCTTTCAGATTCAGATGTCAATAATT  
TGTTTCTATGATCAGAGTATATAAATCCCATGCAAACATATCTCAGCATAACTGATTTTGTTCCTAAATA  
ATTAACAGGATAAAATGTTATTTGTTGTAAGCTGTTGACATTTGTAAGGAAATTTGTTTCACTGAATA  
TGTTTAGAGATGCCGCCAGAACATTAACCATTGTTTCATTTTTATGTAAGTTGAAGAAAAATGAAGCTAG  
ATAGCATGTTCTCCATTTGCAGTCTACAAAGGGGAATTTATTGCTTAAATTAAGTTTCATTTTCTGGC  
CTGTGCAAGAGACTTTTTATCTAAAATATGGATGTACGTTTTTCATATTTTAGAGTTCATTGTATGGAA  
AAATACCATCAAAGTTGACCAAAAGATTTGAAAATCCTTACCAGTTGTTTGTGCATATGTTAAAGCTTAA  
TGGTTAATTTTATTTATTTTATCTTGTCTCTTGTGCTTATTGGCAGACTCAGTCTTCTGTTTTCACA  
AAGAACTCATGAAGAGGACGATAGGAAACCCACGTATGCCTTTGAGGCTAGGGACTATGTTGTAAGTTC  
ACCTGTGATGGCCAGGTCATACAGTCATGGCACAGCCACTAACCCATTACAGCACCAAGACTGGGGAC  
CCAGAGGCACTTGTTATGCTTCCACACTACGAAATGAAATCTTAATTGAGAGAAGTGGACACCAGGAAA  
AAAAAAAAAAAAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for AL832949 unedited GGAAC TGGTTC TTTTGATGATTTAAAGGAAAATCTCTGTTTTACCATAATCAGCAGTATG AATTTTATTTCTTACTCCTCAAACGTGTGCTCAGCAAATCTTTGTTAAAAAAATTTCCC AAATGATGTGTTTATTTTCTGAGGTTAAACCACATACATATACCCACTAGAAGCAATCG TAAAGAAATAGAGAAATAGTTTTGCTTCCCTCACTTTTGGTCATTCTGTTCTTAGGGTCA GAATTAATGTTTCTTCTCTAGGACATAGCAGTGCAAAAAAAGAGGAAGCACAAGCTCAA AAAGCAAATCTAAAGTTTGGAGAAATAGATTTTCAATTTTAAAGCAGTCTCAACATGGATCT TGCATGGGACATCCATGGCATGGCTGACAGCTTCCGTGACCAACATGGTACAGCCCTTCC TACCTTCTCATTATTCTACTTTGTAACCTAACAGCATTATGCCAACGATAATTTAACTA GAAAAAGTTCTGAGAGAATAACAAATCTGTGATTTTATTATGTCTTTTATCATGTTTTG CAGCTTTCAGATTCAGAAATGTCAATAATTTGTTTCTATGATCAGAGTATATAAATCCCAT GCAAACATATCTCAGCATAACTGATTTTGTCTAAATAATTAACAGGATAAAATGTTA TTTGTTGAAGCTGTTGACATTTGTAAGGAAATTTGTTTACTGAATATGTTAGAGATGC CGCAGAACATAACCATTGTTTATTNNTATGTAAGTGAAGAAATGAAGCTGATAGCATGTT CTCATTTGCAGTCTCAAGGGGAATTTTATGGCTAAATTAAGTTTCAATTTNTGGGCTGTGCA AAACCTTATTCTAAAATGGG
Restriction Sites:	NotI-NotI
ACCN:	AL832949
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:	AL832949.1
RefSeq Size:	854 bp
RefSeq ORF:	854 bp
Locus ID:	79642
Cytogenetics:	4q26
Protein Families:	Druggable Genome, Secreted Protein
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]