

Product datasheet for **SC320958**

ARSF (NM_004042) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARSF (NM_004042) Human Untagged Clone
Tag:	Tag Free
Symbol:	ARSF
Synonyms:	ASF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene sequence for NM_004042.3
 AGTGGAGACAGGCTCTACCATGTTGACCAGGCTGGTCTCGAACTCCCGACCTCAAGTGA
 TCCGCCGGCCTCGGCCTCCCAAAGTGCTGGGATTACAGGCGTGAACCACCACTCCTGGCC
 CTTCTGTTACTTTTCCACTGCTGTTGAGATAGAAGTCACTGTTGGGATCCAACCTTTTGG
 TTTGTATAAACTGACAACAAGAAGTATTCCAAGCTGCACAATGAGGCCAGGAGACCCT
 TGGTCTTCATGTCTTTGGTGTGTGCACTCTTGAACACATGCCAGGCACACAGGGTGCATG
 ACGACAAGCCTAATATTGTCCTAATCATGGTTGATGACCTGGGATTGGAGATCTGGGCT
 GCTACGGCAATGACACCATGAGGACGCCTCACATCGACCGCTTGCCAGGGAAGGCGTGC
 GACTGACTCAGCACATCTCTGCCGCTCCCTCTGCAGCCCAAGCCGGTCCGCGTTCTTGA
 CGGGAAGATACCCCATCCGATCAGGTATGGTTTCTAGTGGTAATAGACGTGTCATCCAAA
 ATCTTGACAGTCCCGCAGGCCTCCCTCTTAATGAGACAACACTTGACGCTTGCTAAAGA
 AGCAAGGATACAGCACGGGGCTTATAGGCAATGGCACCAAGGCTTGAAGTGGGACTCCC
 GAAGTGACCAAGTCCACCATCCATATAATTATGGGTTTGACTACTACTATGGCATGCCGT
 TCACTCTCGTTGACAGCTGCTGGCCGACCCCTCTCGTAACACGGAATTAGCCTTTGAGA
 GTCAGCTCTGGCTCTGTGTGCAGCTAGTTGCCATTGCCATCCTCACCTAACCTTTGGGA
 AGCTGAGCGGCTGGGCTCTGTTCCCTGGCTCCTGATCTTCTCCATGATTCTGTTTATTT
 TCCTCTTGGGCTATGCTTGGTTCTCCAGCCACACGTCCCCTTTATACTGGGACTGCCTCC
 TCATGCGGGGACGAGATCACGGAGCAGCCATGAAGGCTGAACGAGCTGGATCCATTA
 TGGTGAAGGAAGCGATTTCTTTTTAGAAAGGCACAGTAAGGAACTTTCTTCTCTTTT
 TCTCTTTCTTACGTCACACACTCTCCCCACCAGGACGATTTCACTGGCACCAGCA
 AGCATGGCTTGTATGGGATAATGTGGAAGAGATGGACTCCATGGTGGGCAAGATTCTTG
 ATGCTATCGATGATTTTGGCCTAAGGAACAACCCCTTGTCTACTTTACATCAGATCAGC
 GAGGGCATTGGAAAGCTAGGCGAGGGCATGCCAACTTGGTGGATGGAATGGAATATACA
 AAGGTGGAAGGATGGGGGGCTGGGAAGGTGGAATCCGCGTCCAGGAATTGTCCGAT
 GGCTGGAAGGTACCAGCTGGACGTTGATTAAGGAACCTACAAGTTTAAATGGATATTT
 TACCAACTGTGCGATCAGTGTGAGGAGGAGTCTCCCTCAGGACAGGGTCAATGACGGCC
 GAGACCTCATGCCCTGCTGCAGGGCAACGTCAGGCACTCGGAGCATGAATTTCTTTTCC
 ACTACTGTGGCTCTACCTGCACGCCGTGCGGTGGATCCCAAGGACGACAGTGGGTGAG
 TTTGGAAGGCTCACTATGTGACCCCGTATTCCAGCCACCAGCTTCTGGTGGCTGCTATG
 TCACCTCATTATGCAGATGTTTCGGGAGAACAGGTTACCTACCACAACCCCTCTGCTCT
 TCGATCTCTCAGGGACCCTCAGAGTCCACCCCTGACACCTGCCACAGAGCCCTCT
 ATGATTTTGTGATTAAGGTTGGCCAACGCCCTGAAGGAACACCAGGAAACCATCGTGC
 CTGTGACCTACCAACTCTCAGAAGTGAATCAGGGCAGGACGTGGCTGAAGCCTTGCTGTG
 GGGTGTCCCATTTTGTCTGTGTGACAAGGAAGAGGAGTCTCTCAGCCTCGGGGTCCTA
 ACGAGAAGAGATAATTACAATCAGGCTACCAGAGGAAGCCTTTGGTCTAACCAGAAAGAG
 ATAATTACAATCAGGCTACCAAGGAAGCACTAACTTTGGTGTCTTCAAGTTGGCAAGGA
 GTGCATTTAATAGTCAATAAATTCATCTACCATTCCAGATTATTAAGGCCCACTGGTTG
 TTCCTAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_004042

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_004042.3 , NP_004033.2
RefSeq Size:	2012 bp
RefSeq ORF:	1773 bp
Locus ID:	416
UniProt ID:	P54793
Cytogenetics:	Xp22.33
Domains:	Sulfatase
Protein Families:	Druggable Genome, Secreted Protein, Transmembrane
Gene Summary:	<p>This gene is a member of the sulfatase family, and more specifically, the arylsulfatase subfamily. Members of the subfamily share similarity in sequence and splice sites, and are clustered together on chromosome X, suggesting that they are derived from recent gene duplication events. Sulfatases are essential for the correct composition of bone and cartilage matrix. The activity of this protein, unlike that of arylsulfatase E, is not inhibited by warfarin. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Jan 2011]</p> <p>Transcript Variant: This variant (1) represents the shortest variant. Variants 1, 2 and 3 encode the same protein. 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>