Datasheet for ABIN4933031

Human ARSD ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

Overview

Quantity:	10 µg
Gene:	Arylsulfatase D (ARSD)
Species:	Human
Fusion tag:	DYKDDDDK Tag
Insert:	ORF
Vector:	Mammalian Expression Vector
Application:	Protein Expression (PExp)

Product Details

Purpose:	Expression/transfection ready cDNA ORF clone of Human ARSD with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	1782 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGCGATCCG CCGCGCGGAG GGGACGCGCC GCGCCCGCCG CCAGGGACTC TTTGCCGGTG CTACTGTTTT TATGCTTGCT TCTGAAGACG TGTGAACCTA AAACTGCAAA TGCCTTTAAA CCAAATATCC TACTGATCAT GGCGGATGAT CTAGGCACTG GGGATCTCGG TTGCTACGGG AACAATACAC TGAGAACGCC GAATATTGAC CAGCTTGCAG AGGAAGGTGT GAGGCTCACT CAGCACCTGG CGGCCGCCCC GCTCTGCACC CCAAGCCGAG CTGCATTCCT CACAGGGAGA

	CATTCCTTCA GATCAGGCAT GGACGCCAGC AATGGATACC GGGCCCTTCA GTGGAACGCA GGCTCAGGTG GACTCCCTGA GAACGAAACC ACTTTTGCAA GAATCTTGCA GCAGCATGGC TATGCAACCG GCCTCATAGG AAAATGGCAC CAGGGTGTGA ATTGTGCATC CCGCGGGGAT CACTGCCACC ACCCCCTGAA CCACGGATTT GACTATTTCT ACGGCATGCC CTTCACGCTC ACAAACGACT GTGACCCAGG CAGGCCCCCC GAAGTGGACG CCGCCCTGAG GGCGCAGCTC TGGGGTTACA CCCAGTTCCT GGCGCTGGGG ATTCTCACCC TGGCTGCCGG CCAGACCTGC GGTTTCTTCT CTGTCTCCGC GAGAGCAGTC ACCGGCATGG CCGGCGTGGG CTGCCTGTTT TTCATCTCTT GGTACTCCTC CTTCGGGTTT GTGCGACGCT GGAACTGTAT CCTGATGAGA AACCATGACG TCACGGAGCA ACCCATGGTT CTGGAGAAAA CAGCGAGTCT TATGCTAAAG GAAGCTGTTT CCTATATTGA AAGACACAAG CATGGGCCAT TTCTCCTCTT CCTTTCTTTG CTGCATGTGC ACATTCCCCT TGTGACCACG AGTGCATTCC TGGGGAAAAG TCAGCATGGC TTATATGGTG ATAATGTGGA GGAGATGGAC TGGCTCATAG GTAAGGTTCT TAATGCCATC GAAGACAATG GTTTAAAGAA CTCAACATTC ACGTATTTCA CCTCTGACCA TGGAGGACAT TTAGAGGCAA GAGATGGACA CAGCCAGTTA GGGGGATGGA ACGGAATTTA CAAAGGTGGG AAGGGCATGG GAGGATGGGA AGGTGGGATC CGCGTGCCCG GGATCTTCCA CTGGCCGGGG GTGCTCCCGG CCGGCCGAGT GATTGGAGAG CCCACGAGCC TGATGGACGT GTTCCCTACT GTGGTCCAGC TGGTGGGTGG CGAGGTGCCC CAGGACAGGG TGATTGATGG CCACAGCCTG GTACCCTTGC TGCAGGGAGC TGAGGCACGC TCGGCACATG AGTTCCTGTT TCATTACTGT GGGCAGCATC TTCACGCAGC ACGCTGGCAC CAGAAGGACA GTGGAAGCGT CTGGAAGGTT CATTACACGA CCCCGCAGTT CCACCCCGAG GGAGCGGGGG CCTGCTACGG CCGAGGCGTC TGCCCATGCT CCGGGGAGGG CGTGACCCAT CACAGACCCC CTTTGCTCTT TGACCTCTCC AGGGACCCCT CCGAGGCACG GCCCCTGACC CCCGACTCCG AGCCCCTGTA CCACGCCGTG ATAGCAAGGG TAGGTGCCGC GGTGTCGGAG CATCGGCAGA CCCTGAGTCC TGTGCCCCAG CAGTTTTCCA TGAGCAACAT CCTGTGGAAG CCGTGGCTGC AGCCGTGCTG CGGACATTTC CCGTTCTGTT CATGCCACGA GGATGGGGAT GGCACCCCCT GA
Specificity:	ORF Insert Method: CloneEZ® Seamless cloning technology, recombination-based cloning technology
Characteristics:	Gene cDNA ORF clone sequences were retrieved from the NCBI Reference Sequence Database (RefSeq). These sequences represent the protein coding region of the gene cDNA ORF which is encoded by the open reading frame (ORF) sequence.
Sequencing Primer:	• Forward primer: 5'-TAATACGACTCACTATAGGG-3' • Reverse primer: 5'-CCTCGACTGTGCCTTCTA-3'
Grade:	End-sequenced
Components:	The GenEZ ORF clone is delivered as 10 µg of lyophilized plasmid DNA in a vial.

Target Details

Gene:	Arylsulfatase D (ARSD)
Alternative Name:	ARSD (ARSD Products)
Background:	The protein encoded by this gene is a member of the sulfatase family. Sulfatases are essential for the correct composition of bone and cartilage matrix. The encoded protein is postranslationally glycosylated and localized to the lysosome. This gene is located within a cluster of similar arylsulfatase genes on chromosome X. A related pseudogene has been identified in the pseudoautosomal region of chromosome Y. [provided by RefSeq, Jul 2011].
Gene ID:	414
NCBI Accession:	NM_001669

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Storage:	RT/-20 °C
Storage Comment:	• Keep the vial sealed and store at -20°C for long-term storage. • Before use, centrifuge the vial at 6,000 g x g for 1 minute at 4°C. • Open the lid and add 100 µl (or other volume depending on your desired final concentration) of distilled water (or TE buffer) to dissolve the DNA. • If necessary, heat the solution at 50°C for 15 minutes to dissolve the DNA. • Close the lid and vortex the vial for 1 minute. • Aliquot the dissolved plasmid DNA and store in small aliquots at -20°C.
Expiry Date:	12 months

Publications

Product cited in:	Johnson, Drugan, Miller, Evans: "38" in: , Vol. 1363, Issue Nucleic acids research, pp. 28-39, (1991)