

Datasheet for ABIN4933431

## Human AKR1B15 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

### Overview

Quantity:	10 µg
Gene:	AKR1B15
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 AKR1B15 with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	1035 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGGTCTTAC AAATGGAACC CCAAGTGAAC TCAACTAACA ACTTCCACCA AGGACCCCTG GACCAACCCG TTGGCCCTTT GACTGGCCTA AAGAGTTCCC TTCTGAAGGA CACTACAAGT GCAGGGCCCC TTCTTCGCCC CTATCCAGCA TCTCTTCTCG GCAAAGTGAA AGAAGCGGTG AAGGTGGCCA TTGATGCAGA ATATCGCCAC ATTGACTGTG CCTATTTCTA TGAGAATCAA

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## Product Details

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CATGAGGTGG GAGAAGCCAT CCAAGAGAAG ATCCAAGAGA AGGCTGTGAT GCGGGAGGAC  
CTGTTTCATCG TCAGCAAGGT GTGGCCCACT TTCTTTGAGA GACCCCTTGT GAGGAAAGCC  
TTTGAGAAGA CCCTCAAGGA CCTGAAGCTG AGCTATCTGG ACGTCTATCT TATTCAGTGG  
CCACAGGGAT TCAAGACTGG GGATGACTTT TTCCCCAAAG ATGATAAAGG TAATATGATC  
AGTGAAAAG GAACGTTCTT GGATGCCTGG GAGGCCATGG AGGAGCTGGT GGACGAGGGG  
CTGGTGAAAAG CCCTTGGGGT CTCAAATTTT AACCACTTCC AGATCGAGAG GCTCTTGAAC  
AAACCTGGAC TGAAATATAA ACCAGTGACT AACCAAGTTG AGTGTACCCC ATACCTCAGC  
CAGGAGAAAC TGATCCAGTA CTGCCACTCC AAGGGCATCA CCGTTACGGC CTACAGCCCC  
CTGGGCTCTC CGGATAGACC TTGGGCCAAA CCTGAGGACC CTTCCCTGCT GGAGGATCCC  
AAGATTAAGG AGATTGCTGC AAAGCACAAA AAAACCACAG CCCAGGTTCT GATCCGTTTC  
CATATCCAGA GGAATGTGAC AGTGATCCCC AAGTCTATGA CACCAGCACA CATTGTTGAG  
AACATTCAGG TCTTTGACTT TAAATTGAGT GATGAGGAGA TGGCAACCAT ACTCAGCTTC  
AACAGAACT GGAGGGCCTT TGACTTCAAG GAATTCTCTC ATTTGGAGGA CTTTCCCTTC  
GATGCAGAAT ATTGA

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

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Gene: AKR1B15

Alternative Name: AKR1B15 ([AKR1B15 Products](#))

Gene ID: 441282

NCBI Accession: [NM\\_001080538](#)

## Application Details

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Restrictions: For Research Use only

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## Handling

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Format: Lyophilized

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Storage: RT/-20 °C

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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.

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Expiry Date: 12 months

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## Publications

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