

Datasheet for ABIN4930040

Human ERVV-2 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

Overview

Quantity:	10 µg
Gene:	ERVV-2
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 ERVV-2 with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	1608 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	<p>ATGACAGAGA AATTCCTTTT CCTTTATCTT TCCCTCCTTC CCATGCCCTT ACTCTCACAG</p> <p>GCACAGTGGA ATGAAAATTC CCTTGTCAGT TTTTCCAAAA TAATTGCTTC GGGAAACCAT</p> <p>CTAAGCAACT GTTGGATCTG CCACAACCTC ATCACCAGGT CCTCATCTTA CCAATATATT</p> <p>TTGGTAAGAA ATTTTTCTTT AAACCTAACA TTTGGTTCAG GAATCCCTGA AGGCCAACAT</p> <p>AAATCTGTTC CGCTCCAGGT TTCGCTTGCT AACTCAGCGC ACCAAGTCCC CTGCCTGGAT</p>

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CTCACTCCAC CTTTCAATCA AAGCTCTAAA ACTTCTTTCT ATTTCTACAA CTGCTCTTCT
CTAAACCAAA CCTGTTGTCC ATGCCCTGAA GGACACTGTG ACAGGAAGAA CACCTCTGAG
GAGGGATTCC CCAGTCCCAC CATCCATCCC ATGAGCTTCT CCCAGCAGG CTGCCACCCT
AACTTGACTC ACTGGTGTCC AGCTAAACAA ATGAACGATT ATCGAGACAA GTCACCCCAA
AACCCTGTG CAGCTTGGGA AGGAAAAGAG CTAATCACAT GGAGGGTTCT ATATTCGCTT
CCCAAGGCAC ACACTGTCCC CACATGGCCA AAATCTACTG TTCCCCTGGG AGGGCCTCTA
TCCCCTGCAT GCAATCAAAC TATTCCAGCA GGGTGGAAAT CGCAGTTACA CAAGTGGTTC
GACAGCCACA TCCCCGGTG GGCCTGTACC CCTCCTGGCT ATGTATTTTT ATGTGGGCCA
CAAAAAATA AACTGCCCTT TGATGGAAGT CCTAAGATAA CCTATTCAAC CCCCCTGTG
GCAAACCTCT ACACTTGCAT TAATAACATC CAACATACGG GAGAATGTGC TGTGGGACTT
TTGGGACCAC GGGGGATAGG TGTGACCATT TATAACACCA CCCAACCCAG ACAGAAAAGA
GCTCTGGGTC TAATACTGGC AGGGATGGGT GCGGCCATAG GAATGATCGC CCCATGGGGA
GGGTTCACTT ATCATGATGT CACCCTCAGA AATCTCTCCA GACAAATAGA CAACATAGCT
AAGAGTACCA GAGATAGCAT CTCTAACTC AAGGCCTCCA TAGATTCTCT AGCAAATGTA
GTCATGGACA ACAGATTGGC CTTAGATTAC CTCTTAGCAG AGCAGGGTGG AGTCTGTGCA
GTGATCAATA AATCCTGTTG CGTTTATGTC AATAACAGTG GGGCGATAGA GGAGGATATA
AAAAAGATCT ATGATGAGGC TACGTGGCTC CATGACTTTG GAAAAGGAGG TGCTTCAGCA
AGGGCCATCT GGGAGGCTGT GAAGTCTGCC CTCCCCTCCC TCAACTGGTT TGTCCCTTTA
CTGGGACCAG CAACAGTTAT ACTCTTACTT TTCCTCTTTG GCCCTTGTTT CTTTAATTTA
CTGATTAAGT GTGTCTCTTC TAGGATAAAG CAATTTACA TGAAGTCCCC CCAAATGGAA
AGATATCAGC TATCTGTCAT TGGAGGCCCC AGCACCTATA AGCACATCTC CCCCTTGGAT
GCCAGTGGGC AAAGATTCCG GGAAACTATG GAGGAATTTT CTCTCTGA

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: ERVV-2

Alternative Name: ERVV-2 ([ERVV-2 Products](#))

Background: Many different human endogenous retrovirus (HERV) families are expressed in normal placental tissue at high levels, suggesting that HERVs are functionally important in reproduction. This gene is part of an HERV provirus on human chromosome 19 that has inactivating mutations in the gag and pol genes. This envelope glycoprotein gene appears to have been selectively preserved. The gene's protein product is expressed in the placenta and acts as a syncytin in Old World monkeys, but has lost the fusogenic activity in humans and other primate lineages. [provided by RefSeq, Jun 2015].

Gene ID: 100271846

NCBI Accession: [NM_001191055](#)

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)