

Datasheet for ABIN4930042

## Human ERVH48-1 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

### Overview

Quantity:	10 µg
Gene:	ERVH48-1
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 ERVH48-1 with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	483 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGGCCTGTA TCTACCCAAC CACTTTCTAT ACCTCTCTTC CAACCAAAG TCTTAATATG GGAATATCCC TCACCACGAT CCTAATACTG TCAGTAGCTG TCCTGCTGTC CACAGCAGCC CCTCCGAGCT GCCGTGAGTG TTATCAGTCT TTGCACTACA GAGGGGAGAT GCAACAATAC TTTACTTACC ATACTCATAT AGAAAGATCC TGTTATGGAA ACTTAATCGA GGAATGTGTT

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## Product Details

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GAATCAGGAA AGAGTTATTA TAAAGTAAAG AATCTAGGAG TATGTGGCAG TCGTAATGGG  
GCTATTTGCC CCAGAGGGAA GCAGTGGCTT TGCTTCACCA AAATTGGACA ATGGGGAGTA  
AACACTCAGG TGCTTGAGGA CATAAAGAGA GAACAGATTA TAGCCAAAGC CAAAGCCTCA  
AAACCAACAA CTCCCCCTGA AAATCGCCCG CGGCATTTC ATTCTTTTAT ACAAAAACTA TAA

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: ERVH48-1

Alternative Name: ERVH48-1

Background: Many different endogenous retrovirus families are expressed in normal placental tissue at high levels, suggesting that endogenous retroviruses are functionally important in reproduction. This gene is part of an endogenous retrovirus provirus that has placenta specific expression. The protein encoded has the characteristics of a retroviral envelope protein but is truncated and lacks the transmembrane domain. The protein inhibits cell fusion by competing with syncytin-1 for binding to a cell receptor. [provided by RefSeq, May 2015].

Gene ID: 90625

NCBI Accession: [NM\\_001308491](#)

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

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## Handling

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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)