

Datasheet for ABIN5494419

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

Overview

Quantity:	10 µg
Gene:	ERVV-2
Species:	Human
Fusion tag:	Myc-DYKDDDDK Tag
Insert:	ORF
Vector:	Mammalian Expression Vector
Application:	Protein Expression (PEXP)

Product Details

Purpose:	Mammalian Vector with ORF clone of Human endogenous retrovirus group V, member 2 (ERVV-2)
Brand:	TrueORF
Insert Length:	1608 bp
Vector Backbone:	pCMV6-Entry
Promoter:	CMV Promoter
Bacterial Resistance:	Kanamycin
Expression Type:	Transient
Specificity:	Restriction Site: SgfI-MluI
Sequencing Primer:	VP1.5 (forward) 5'GGACTTTCCAAAATGTCTG 3', XL39 (reverse) 5'ATTAGGACAAGGCTGGTGGG 3'
Grade:	End-sequenced
Components:	The ORF clone is ion-exchange column purified, transfection-ready dried plasmid DNA, and

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Product Details

shipped with 2 vector sequencing primers.

Target Details

Gene: ERVV-2

Abstract: [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.

NCBI Accession: [NM_001191055, NP_001177984](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Storage: 4 °C/-20 °C

Publications

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