

## Product datasheet for **RC229519L4V**

### **FXYD4 (NM\_001184963) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	FXYD4 (NM_001184963) Human Tagged ORF Clone Lentiviral Particle
Symbol:	FXYD4
Synonyms:	CHIF
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001184963
ORF Size:	267 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC229519).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_001184963.1</a> , <a href="#">NP_001171892.1</a>
RefSeq Size:	636 bp
RefSeq ORF:	270 bp
Locus ID:	53828
UniProt ID:	<a href="#">P59646</a>
Cytogenetics:	10q11.21
Protein Families:	Ion Channels: Other, Transmembrane
MW:	9.4 kDa



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**Gene Summary:**

This gene encodes a member of a family of small membrane proteins that share a 35-amino acid signature sequence domain, beginning with the sequence PFXVD and containing 7 invariant and 6 highly conserved amino acids. The approved human gene nomenclature for the family is FXVD-domain containing ion transport regulator. FXVD4, originally named CHIF for channel-inducing factor, has been shown to modulate the properties of the Na,K-ATPase, as has FXVD2, also known as the gamma subunit of the Na,K-ATPase, and FXVD7. Transmembrane topology has been established for FXVD4 and two family members (FXVD1 and FXVD2), with the N-terminus extracellular and the C-terminus on the cytoplasmic side of the membrane. Alternatively spliced transcript variants encoding the same protein have been found.[provided by RefSeq, May 2010]