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Product datasheet for RC201153L4V

FVT1 (KDSR) (NM_002035) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	FVT1 (KDSR) (NM_002035) Human Tagged ORF Clone Lentiviral Particle
Symbol:	FVT1
Synonyms:	DHSR; EKVP4; FVT1; SDR35C1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_002035
ORF Size:	996 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC201153).
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. More info
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:	NM_002035.1
RefSeq Size:	5198 bp
RefSeq ORF:	999 bp
Locus ID:	2531
UniProt ID:	Q06136
Cytogenetics:	18q21.33
Domains:	adh_short
Protein Families:	Druggable Genome, Transmembrane

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Protein Pathways: Metabolic pathways, Sphingolipid metabolism

MW: 36.2 kDa

Gene Summary: The protein encoded by this gene catalyzes the reduction of 3-ketodihydrosphingosine to dihydrosphingosine. The putative active site residues of the encoded protein are found on the cytosolic side of the endoplasmic reticulum membrane. A chromosomal rearrangement involving this gene is a cause of follicular lymphoma, also known as type II chronic lymphatic leukemia. The mutation of a conserved residue in the bovine ortholog causes spinal muscular atrophy. [provided by RefSeq, Jul 2008]