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Product datasheet for RC200974L3V

SFXN3 (NM_030971) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	SFXN3 (NM_030971) Human Tagged ORF Clone Lentiviral Particle
Symbol:	SFXN3
Synonyms:	BA108L7.2; SFX3; SLC56A3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_030971
ORF Size:	975 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC200974).`
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_030971.3, NP_112233.2
RefSeq Size:	3129 bp
RefSeq ORF:	978 bp
Locus ID:	81855
UniProt ID:	Q9BWM7
Cytogenetics:	10q24.31
Domains:	Mtc
Protein Families:	Transmembrane

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MW: 36 kDa

Gene Summary: Mitochondrial serine transporter that mediates transport of serine into mitochondria, an important step of the one-carbon metabolism pathway (PubMed:30442778). Mitochondrial serine is converted to glycine and formate, which then exits to the cytosol where it is used to generate the charged folates that serve as one-carbon donors (PubMed:30442778). [UniProtKB/Swiss-Prot Function]