

Product datasheet for RC200974L3

SFXN3 (NM_030971) Human Tagged Lenti ORF Clone

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com

OriGene Technologies, Inc.

techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Product data:

Product Type: Expression Plasmids

Product Name: SFXN3 (NM_030971) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: SFXN3

Synonyms: BA108L7.2; SFX3; SLC56A3

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC200974).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_030971

ORF Size: 975 bp





SFXN3 (NM_030971) Human Tagged Lenti ORF Clone - RC200974L3

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.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method: 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with

0.22um filter is required.

RefSeq: <u>NM 030971.3, NP 112233.2</u>

 RefSeq Size:
 3129 bp

 RefSeq ORF:
 978 bp

 Locus ID:
 81855

 UniProt ID:
 Q9BWM7

 Cytogenetics:
 10q24.31

Domains: Mtc

Protein Families: Transmembrane

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]