

Product datasheet for RC222616

Senataxin (SETX) (NM_015046) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Senataxin (SETX) (NM_015046) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Senataxin
Synonyms:	ALS4; AOA2; bA479K20.2; SCAN2; SCAR1; Sen1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC222616 representing NM_015046 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

ATGAGCACATGTTGTTGGTGTACGCCAGGTGGTCTCCACCATTGACTTCCTAAAGCGCTATGCTTCCA
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Protein Sequence: >RC222616 representing NM_015046
 Red=Cloning site Green=Tags(s)

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 KRTLEQEDSSSKRKL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8040_c12.zip

Restriction Sites: Sgfl-Mlul

Cloning Scheme:


ACCN: NM_015046

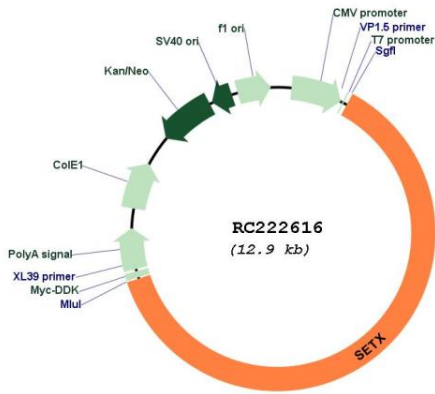
ORF Size: 8031 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:	<ol style="list-style-type: none">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.
RefSeq:	<u>NM_015046.4</u> , <u>NP_055861.2</u>
RefSeq Size:	8583 bp
RefSeq ORF:	8034 bp
Locus ID:	23064
UniProt ID:	<u>Q7Z333</u>
Cytogenetics:	9q34.13
MW:	302.7 kDa
Gene Summary:	This gene encodes a protein named for its homology to the Sen1p protein of fungi which has RNA helicase activity encoded by a domain at the C-terminal end of the protein. The protein encoded by this gene contains a DNA/RNA helicase domain at its C-terminal end which suggests that it may be involved in both DNA and RNA processing. Mutations in this gene have been associated with ataxia-ocular apraxia-2 (AOA2) and an autosomal dominant form of juvenile amyotrophic lateral sclerosis (ALS4). [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC222616