

Product datasheet for RC219322

SHISAL1 (NM_001099294) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SHISAL1 (NM_001099294) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: SHISAL1
Synonyms: KIAA1644
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC219322 representing NM_001099294
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGACCAGTTGTGGCCAGCAGTCTTGAACGTGCTCGCCGTCCTCTTCTCATTGCTGTTTTCTGCAGTCT
 TGTCTGCACATTTCCGGGTCTGTGAACCATACACAGACCACAAAGGCCGCTACCACTTTGGCTTCCACTG
 CCCCCGGTCTCGGACAACAAGACCTTCATCCTCTGTTGTACCATAACAACACGGTCTTCAAATACTGC
 TGCAACGAGACGGAGTTCAGGCGGTGATGCAGGCGAACCTCACGCCAGCTCCGAGGGTTACATGCACA
 ACAATTACACCGCCTTGTGGGAGTGTGGATCTATGGATTTTTCTGTTGATGCTGCTGGTTCTGGACCT
 TTTGTATTACTCGCAATGAACTACGACATCTGCAAGGTCTACCTGGCACGGTGGGGCATCCAAGGACGA
 TGGATGAAACAGGACCCCGGCGGTGGGGAAACCCGCTCGGGCCCTCGGCCGGGTGAGCGGGCCCCAC
 AGCCGCAGCCTCCCCAGGCCCGCTGCCACAAGCCCCACAGGCCGTGCACACATTGCGGGGAGATGCTCA
 CAGCCCACCGCTGATGACCTTCCAGAGTTCGTCTGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC219322 representing NM_001099294
 Red=Cloning site Green=Tags(s)

MTSCGQQSLNVLAVLFSLLFSAVLSAHRVCEPYTDHKGRYHFGFHCPRLSDNKTFILCCHHNNTVFKYC
 CNETEFQAVMQANLTASSEGYMHNNYALLGVWIYGFVLMMLVLDLLYYSAMNYDICKVYLARWGIQGR
 WMKQDPRRWGNPARAPRPGQAPQPQPPPGPLPQAPQAVHTLRGDAHSPPLMTFQSSA

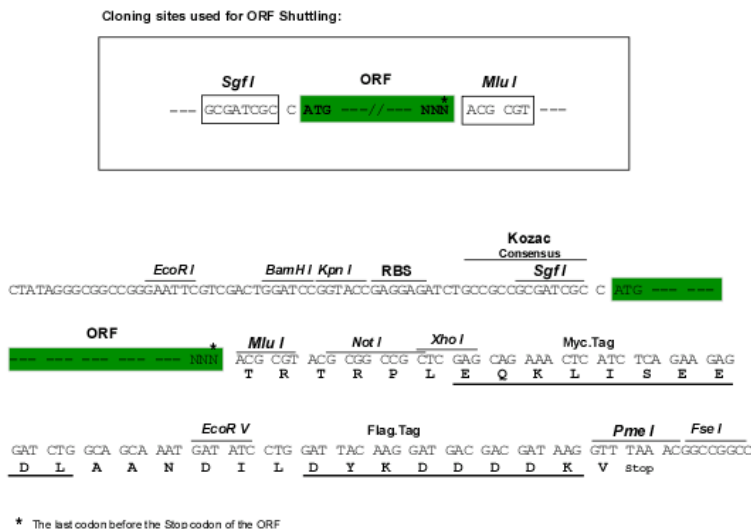
TRTRPLEQKLISEEDLAANDILDYKDDDDKV



Chromatograms: https://cdn.origene.com/chromatograms/mk8005_h02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001099294

ORF Size: 597 bp

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.

RefSeq: [NM_001099294.2](#)

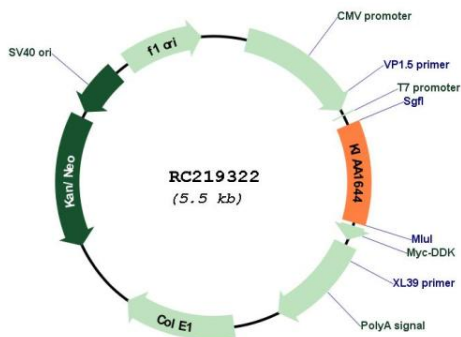
RefSeq Size: 6741 bp

RefSeq ORF: 600 bp

Locus ID: 85352

UniProt ID: Q3SXP7
 Cytogenetics: 22q13.31
 Protein Families: Transmembrane
 MW: 22.4 kDa

Product images:



Circular map for RC219322