

Product datasheet for **RC221603**

IZUMO4 (NM_001039846) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: IZUMO4 (NM_001039846) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: IZUMO4
Synonyms: C19orf36; IMAGE:4215339
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC221603 representing NM_001039846
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCCTGCTGCTGTGCCTGGTGTGCCTGACGGCGGCGCTGGCCACGGCTGTCTGCACTGCCACAGCA
ACTTCTCCAAGAAGTTCTCCTTACCGCCACCATGTGAACCTCAAGTCTGGTGGGTGGGCGACATCCC
CGTGT CAGGGGCGCTGCTCACC GACTGGAGCGACGACACGATGAAGGAGCTGCACCTGGCCATCCCCGCC
AAGATCACCCGGGAGAAGCTGGACCAAGTGGCGACAGCAGTGTACCAGATGATGGATCAGCTGTACCAGG
GGAAGATGTA CTCCCCGGTATTTCCCAACGAGCTGCGAAACATCTTCCGGGAGCAGGTGCACCTCAT
CCAGAACGCCATCATCGAAAGCCGATCGACTGT CAGCACCGCTGTGGCATCTTCCAGTACGAGACCATC
TCCTGCAACA ACTGCACAGACTCGACGCTGCCTGCTTTGGCTATAACTGCGAGTCTCGGCGCAGTGGA
AGTCAGCTGTCCAGGCGCTCCTGAACTACATAAATAACTGGCACAAACAGGACACGAGCATGAGACCAGC
CTCCTCTGCCTTCTCCTGGCCTGGGACACAGAGCCACCCCGCCTTCTGGTATCGCCAGCCTTAAGG
TGTCTGGAGCCCCACACTTGGCCAACCTGACCTTGAAGATGCTGCTGAGTGTCTCAAGCAGCAC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC221603 representing NM_001039846
Red=Cloning site Green=Tags(s)

MALLLCLVCLTAALAHGCLHCHSNFSKKFSFYRHVNFKSWWVGDIPVSGALLTDWSDDTMKELHLAIPA
 KITREKLDQVATAVYQMMDQLYQKMYFPGYFPNELRNIFREQVHLIQNAIIESRIDCQHRGIFQYETI
 SCNNCTDSHVACFGYNCESSAQWKSAVQGLLNYINNWHKQDTSMRPRSSAFSWPGTHRATPAFLVSPALR
 CLEPPHLANLTLEDAAECLKQH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_001039846

ORF Size: 696 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_001039846.2](#)

RefSeq Size: 1020 bp

RefSeq ORF: 699 bp

Locus ID: 113177

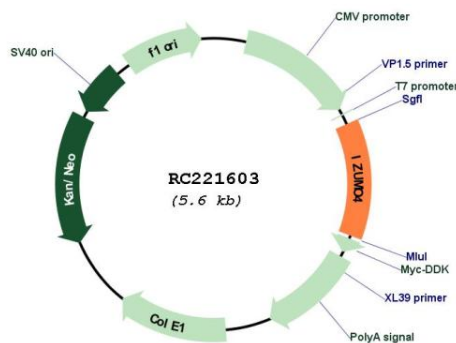
UniProt ID: [Q1ZYL8](#)

Cytogenetics: 19p13.3

Protein Families: Secreted Protein, Transmembrane

MW: 26.3 kDa

Product images:



Circular map for RC221603