

Product datasheet for **RC220546**

IZUMO2 (NM_152358) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IZUMO2 (NM_152358) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	IZUMO2
Synonyms:	C19orf41; PLAL6978; PRO21961; SCRL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC220546 representing NM_152358 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCTCTGGCTTTGACCCTTCTGCTGCTCTCGGGCTTGGGCGCCCCGGAGGCTGGGGCTGTCTGCAGT
GCGACCCCTTGGTGTGGAGGCCCTGGGTACCTGCGCTCCGCCCTCATCCCCAGTCGTTCCAGTTGGA
GCAGCTGCAGGCGCGCCGGGGCCGTGCTGATGGGCATGGAGGGGCTTTCTCCGGGACTACGCGCTG
AACGTGTTTGTGGGAAAGTGGAGACAAATCAACTGGACCTTGTGGCGTCCTTTGTCAAGAACCAACGC
AGCACTTAATGGTAACCTCTGAAAGATGAGCCTCTGCTGGAAGAGCTGGTGACCCTCAGGGCGAATGT
GATCAAGGAATCAAGAAAGTTTAATTTTCATATGAATTAAGCCTGCAACCCAACTTTGCCGCTTG
CTAAAAGAAGAGGTGTTGGACTGTTACATTGCCAGAGGATCACTCCCAAGTGTATCCACAAAAAGTACT
GCTTTGTGACCGCAACCCCGGTGGCCCTGCAGTACCAGATGGACAGCAAATACCCGAGGAACCGGC
GCTGTTGGGCATCCTCATTTCTGTGCTCTGGCTGTCTTTGTCTTCGTGGTTCATCGTGGTCTCGGCTGT
ACATACAGACAAAACCGAAAACCTCTGCTGCAG

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC220546 representing NM_152358
Red=Cloning site Green=Tags(s)

MPLALTL L L L L SGLGAPGGWGCLQCDPLVLEALGHLRSALIPSRFQLEQLQARAGAVLMGMEGPFPRDYAL
 NVFVGK VETNQLDLVASFVKNQTQHLMGNLKDPELLEELVTLRANVIKEFKKVLISYELKACNPKLCRL
 LKEEVL DCLHCQRITPKCIHKKYCFVDRQPRVALQYQMDSKYPRNQALLGILISVSLAVFV FVVI VVSAC
 TYRQNRK L L L L Q

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg4136_d09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_152358

ORF Size: 663 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_152358.2](#), [NP_689571.2](#)

RefSeq Size: 819 bp

RefSeq ORF: 666 bp

Locus ID: 126123

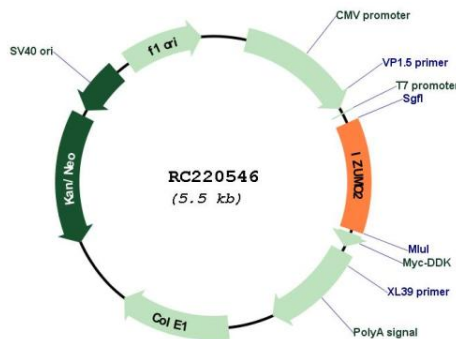
UniProt ID: [Q6UXV1](#)

Cytogenetics: 19q13.33

Protein Families: Transmembrane

MW: 24.7 kDa

Product images:



Circular map for RC220546