

Product datasheet for **MC210231**

Izumo1r (NM_176807) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Izumo1r (NM_176807) Mouse Untagged Clone
Tag: Tag Free
Symbol: Izumo1r
Synonyms: 0910001L11Rik; C86255; Folbp3; Folr4; Juno
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC210231 representing NM_176807
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCACAGTGGTGGCAGATCCTCTTGGGGTTGTGGGCAGTCCTACCCACCTTGGCAGGGGACAACTGC
TCAGCGTCTGCATGAATCCAAGCGCCACAAGCAAGAACCTGGCCAGAAGACGAACTCTACCAGGAGTG
CAGGCCTTGGGAGACAATGCCTGCTGCACACGTTCCACAAGTTGGGAAGCCACCTTGAGGAGCCCTTG
CTCTTTAACTTCAGCATGATGCACTGTGGACTGCTGACCCCGGCCTGTCGCAAGCACTTCATCCAGGCCA
TCTGCTTCCATGAGTGTCCCCAACCTGGGGCCTTGGATCCAGCCGGTGGTCCCAAACGGGCAGGAAGA
GCAGCGGGTTTGGGGCGTGCCGCTGTGCCAGGAGGATTGTGAGGACTGGTGGCGAGCCTGCCACTCATCT
TTGACTTGTAATCCAACCTGGCTCCATGGCTGGGACTGGAGTGAGGTCAAGGGTCTTCTATCAATGAGAC
TACCGTTTATAGAACTACCACTGCC**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_176807
Insert Size: 519 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



[View online »](#)

| | |
|-------------------------------|---|
| 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_176807.4, NP_789777.1</u> |
| RefSeq Size: | 1239 bp |
| RefSeq ORF: | 519 bp |
| Locus ID: | 64931 |
| Cytogenetics: | 9 A2 |
| Gene Summary: | <p>Receptor for IZUMO1 present at the cell surface of oocytes (oolemma), which is essential for species-specific gamete recognition and fertilization (PubMed:24739963, PubMed:26859261, PubMed:27309808, PubMed:27416963). The IZUMO1:IZUMO1R/JUNO interaction is a necessary adhesion event between sperm and egg that is required for fertilization but is not sufficient for cell fusion (PubMed:24739963, PubMed:26859261, PubMed:27309808). The ligand-receptor interaction probably does not act as a membrane 'fusogen' (PubMed:24739963, PubMed:26859261, PubMed:27309808). Does not bind folate (PubMed:24739963).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) contains a different segment for its 3' CDS and 3' UTR, compared to variant 1. The resulting protein (isoform 2) has a shorter and distinct C-terminus.</p> |