

Product datasheet for **SC329497**

Folate Receptor 4 (IZUMO1R) (NM_001199206) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Folate Receptor 4 (IZUMO1R) (NM_001199206) Human Untagged Clone
Tag:	Tag Free
Symbol:	Folate Receptor 4
Synonyms:	Folbp3; FOLR4; FR-delta; JUNO
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC329497 representing NM_001199206. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**GCGATCGCC**
 ATGGCATGCTGGTGGCCGCTCCTGCTAGAGCTGTGGACAGTCATGCCACCTGGGCTGGGACGAGCTG
 CTCAACATCTGCATGAATGCCAAACACCACAAGAGAGTGCCAGCCAGAAGACAAGCTCTATGAGGAG
 TGCATCCCCTGGAAGGACAATGCCTGCTGCACCCTCACGACAAGCTGGGAAGCCCATCTGGATGTATCC
 CCACTCTACAACCTTCAGCCTGTTTCACTGTGGACTGCTGATGCCTGGCTGTCGGAAGCACTTCATCCAG
 GCTATCTGCTTCTATGAGTGCTCCCAAACCTGGGGCCCTGGATCCAGCCAGTGGGAAGCCTGGGGTGG
 GAGGTGGCCCCGAGTGGGCAGGGAGAGCGAGTTGTGAATGTGCCGCTGTGCCAGGAGACTGTGAGGAG
 TGGTGGGAAGACTGTGCGATGTCTTACACATGCAAATCCAACCTGGCGTGGTGGCTGGGACTGGAGTCAG
 GGAAGAACCCTGCCCCAAAGGGGCCAGTGCCTCCCTTTCTCCATTACTTCCCCACCCAGCTGAC
 CTGTGTGAGAAGACTTGGAGCAATTCCTTCAAAGCCAGCCCTGAGCGACGGAACAGTGGGCGGTGTCTC
 CAGAAGTGGTTTGAGCCTGCTCAGGGCAACCCCAATGTGGCCGTGGCCCGCCTCTTCGCCAGCTCTGCC
 CCATCCTGGGAAGTGTCTACACCATCATGGTCTGCTCCCTGTTCTGCTGCCGTTCCCTTCC**TGA**
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCCGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_001199206
Insert Size:	753 bp


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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).
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:	<u>NM_001199206.1</u>
RefSeq Size:	753 bp
RefSeq ORF:	753 bp
Locus ID:	390243
UniProt ID:	<u>A6ND01</u>
Cytogenetics:	11q21
MW:	28.7 kDa
Gene Summary:	Receptor for IZUMO1 present at the cell surface of oocytes (oolemma), which is essential for species-specific gamete recognition and fertilization. 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. The ligand-receptor interaction probably does not act as a membrane 'fusogen'. Does not bind folate.[UniProtKB/Swiss-Prot Function]