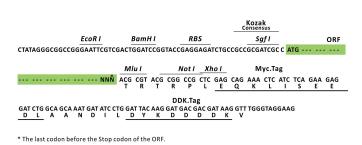


Product datasheet for RC215580L3

OR2J3 (NM_001005216) Human Tagged Lenti ORF Clone

Product data:

| Product Type: | Expression Plasmids |
|------------------------------|--|
| Product Name: | OR2J3 (NM_001005216) Human Tagged Lenti ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | OR2J3 |
| Synonyms: | 6M1-3; C3HEXS; HS6M1-3; OR6-6; OR6-16; OR6.3.6; ORL671 |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-Myc-DDK-P2A-Puro (PS100092) |
| E. coli Selection: | Chloramphenicol (34 ug/mL) |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC215580). |
| Restriction Sites: | Sgfl-Mlul |
| Cloning Scheme: | |
| | Cloning sites used for ORF Shuttling: |
| | Sgf I ORF Miu I |



--- GCG ATC GCC ATG --- // --- NNN ACG CGT -

 ACCN:
 NM_001005216

 ORF Size:
 933 bp

OriGene Technologies, Inc.

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| OR2J3 (NM_001005216) Human Tagged Lenti ORF Clone – RC215580L3 | |
|---|--|
| 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. <u>More info</u> |
| 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: | Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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 001005216.1</u> |
| RefSeq Size: | 936 bp |
| RefSeq ORF: | 936 bp |
| Locus ID: | 442186 |
| UniProt ID: | <u>O76001</u> |
| Cytogenetics: | 6p22.1 |
| Protein Families: | Transmembrane |
| Protein Pathways: | Olfactory transduction |
| MW: | 35 kDa |
| Gene Summary: | This gene encodes a G-protein-coupled receptor (GPCR) that functions as an olfactory receptor. Olfactory receptors interact with odorant molecules in the nose to initiate a neuronal response that triggers the perception of a smell. The protein encoded by this gene responds to cis-3-hexen-1-ol, which is released by wounded plants, including cut grass. This gene is situated in a cluster of similar olfactory-receptor coding genes on chromosome 6. [provided by RefSeq, May 2013] |

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