Product datasheet for RC220887L4

OR8U9 (NM_001013357) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: OR8U9 (NM_001013357) Human Tagged ORF Clone
Tag: mGFP
Symbol: OR8U9
Vector: pLenti-C-mGFP-P2A-Puro (PS100093)
E. coli Selection: Chloramphenicol (34 ug/mL)
Cell Selection: Puromycin
ORF Nucleotide Sequence: The ORF insert of this clone is exactly the same as (RC220887).
Restriction Sites: SgfI-MluI

Cloning Scheme:

```
<table>
<thead>
<tr>
<th>SgfI</th>
<th>ORF</th>
<th>MluI</th>
</tr>
</thead>
<tbody>
<tr>
<td>GCC GCC</td>
<td>AGT</td>
<td>ACC CTC</td>
</tr>
</tbody>
</table>
```

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ACCN: NM_001013357
ORF Size: 927 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.

RefSeq: NM_001013357.1, NP_001013375.1
RefSeq Size: 930 bp
RefSeq ORF: 930 bp
Locus ID: 504190
Cytogenetics: 11q1
Protein Families: Transmembrane
MW: 34.9 kDa

Gene Summary: Olfactory receptors interact with odorant molecules in the nose, to initiate a neuronal response that triggers the perception of a smell. The olfactory receptor proteins are members of a large family of G-protein-coupled receptors (GPCR) arising from single coding-exon genes. Olfactory receptors share a 7-transmembrane domain structure with many neurotransmitter and hormone receptors and are responsible for the recognition and G protein-mediated transduction of odorant signals. The olfactory receptor gene family is the largest in the genome. The nomenclature assigned to the olfactory receptor genes and proteins for this organism is independent of other organisms. [provided by RefSeq, Jul 2008]