Product datasheet for **SC303364**

**OR6A2 (NM_003696) Human Untagged Clone**

**Product data:**

- **Product Type:** Expression Plasmids
- **Product Name:** OR6A2 (NM_003696) Human Untagged Clone
- **Tag:** Tag Free
- **Symbol:** OR6A2
- **Synonyms:** I7; OR6A1; OR6A2P; OR11-55
- **Vector:** pCMV6-Entry (PS100001)
- **E. coli Selection:** Kanamycin (25 ug/mL)
- **Cell Selection:** Neomycin
- **Fully Sequenced ORF:** >NCBI ORF sequence for NM_003696, the custom clone sequence may differ by one or more nucleotides

```
ATGGAGTGGCGGAACCATAGTGAGTTTGAGCTGAGTTTTGGGCTTCCCTGGCTCGCCAC
TACAGTGAGTGGCGGAACCATAGTGAGTTTGAGCTGAGTTTTGGGCTTCCCTGGCTCGCCAC
TACAGTGAGTGGCGGAACCATAGTGAGTTTGAGCTGAGTTTTGGGCTTCCCTGGCTCGCCAC
TACAGTGAGTGGCGGAACCATAGTGAGTTTGAGCTGAGTTTTGGGCTTCCCTGGCTCGCCAC
TACAGTGAGTGGCGGAACCATAGTGAGTTTGAGCTGAGTTTTGGGCTTCCCTGGCTCGCCAC
TACAGTGAGTGGCGGAACCATAGTGAGTTTGAGCTGAGTTTTGGGCTTCCCTGGCTCGCCAC
TACAGTGAGTGGCGGAACCATAGTGAGTTTGAGCTGAGTTTTGGGCTTCCCTGGCTCGCCAC
TACAGTGAGTGGCGGAACCATAGTGAGTTTGAGCTGAGTTTTGGGCTTCCCTGGCTCGCCAC
TACAGTGAGTGGCGGAACCATAGTGAGTTTGAGCTGAGTTTTGGGCTTCCCTGGCTCGCCAC
TACAGTGAGTGGCGGAACCATAGTGAGTTTGAGCTGAGTTTTGGGCTTCCCTGGCTCGCCAC
```

**Restriction Sites:** SgfI-MluI

**ACCN:** NM_003696

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This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
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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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

RefSeq: NM_003696.2, NP_003687.2
RefSeq Size: 1384 bp
RefSeq ORF: 984 bp
Locus ID: 8590
Cytogenetics: 11p15.4
Protein Families: Druggable Genome, Transmembrane
Protein Pathways: Olfactory transduction
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]