

Datasheet for ABIN3391298

## Human OR5D16 cDNA Clone in Mammalian Expression Vector

### Overview

Quantity:	10 µg
Gene:	OR5D16
Species:	Human
Insert:	cDNA
Vector:	Mammalian Expression Vector
Application:	Protein Expression (PExp)

### Product Details

Purpose:	Untagged full-length cDNA clone from Human OR5D16 is ideal for over-expression of native protein for functional studies.
Brand:	TrueClones®
Insert Length:	1000 bp
Vector Backbone:	pCMV6-XL5
Promoter:	Enhanced CMV Promoter, T7 Promoter
Bacterial Resistance:	Ampicillin
Expression Type:	Transient
Characteristics:	<ul style="list-style-type: none"> <li>• These cDNA clones are isolated from full-length cDNA libraries and usually contain the coding sequence as well as the untranslated regions (UTRs) of the mRNA transcript appropriate to the library from which they were isolated.</li> <li>• These cDNA clones are ideal for over-expression of native proteins for functional studies. Provided as 10 µg transfection-ready plasmids.</li> <li>• Every lot of primer is tested to provide clean sequencing of cDNA clones.</li> </ul>
Purification:	The DNAs were purified using PowerPrep HP Plasmid isolation kits for transfection ready plasmids.

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## Product Details

Sequencing Primer:	VP1.5 (forward) 5'GGACTTTCCAAAATGTCTG 3', XL39 (reverse) 5'ATTAGGACAAGGCTGGTGGG 3'
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Components:	<ul style="list-style-type: none"><li>• The cDNA clone is shipped in a 2-D bar-coded Matrix tube as dried plasmid DNA.</li><li>• The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.</li></ul>
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## Target Details

Gene:	OR5D16
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Alternative Name:	OR5D16 ( <a href="#">OR5D16 Products</a> )
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Background:	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].
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NCBI Accession:	<a href="#">NM_001005496</a> , <a href="#">NP_001005496</a>
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## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Lyophilized
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Storage:	RT, -20 °C
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Storage Comment:	The lyophilized plasmid is stable for up to one year when stored at ambient temperature. Following dissolution in 100 µL dH2O, store at -20 °C. Lyophilized primers are stable for up to one year when stored at ambient temperature. Following dissolution in 10 µL dH2O, store at -20 °C.
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Expiry Date:	12 months
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## Publications

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Product cited in: Johnson, Drugan, Miller, Evans: "38" in: , Vol. 1363, Issue Nucleic acids research, pp. 28-39, (1991)