

## OMP cDNA

Catalog Number: ATGD0424

### PRODUCT INFORMATION

---

**Catalog number**

ATGD0424

**Product type**

cDNA

**Species**

Human

**NCBI Accession No.**

NP\_006180.1

**Alternative Names**

**mRNA Refseq**

NM\_006189.1

**OMIM**

164340

**Chromosome location**

11q13.5

### PRODUCT SPECIFICATION

---

**Formulation**

Lyophilized

**Storage**

Store the plasmid at -20C.

**cDNA Size**

492bp

**Preparation before usage**

1. Centrifuge at 7000rpm for 1 minute.
2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA. Each tube contains approximately 10ug of lyophilized plasmid.

**Vector description**

This shuttle vector contains the complete ORF. It is inseted BamH I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

**Cloning Vector**

pATGen (puc19-derived cloning vector)

**General Description**

OMP (Olfactory marker protein) is uniquely associated with the mature olfactory receptor neurons in many

# OMP cDNA

Catalog Number: ATGD0424

vertebrate species from fish to man. The OMP gene structure and protein sequence are highly conserved between mouse, rat and human.

## DATA

---

### Sequence nucleotides

```
ATGGCGGAGGACAGGCCGAGCAGCCGAGCTGGACATGCCGCTGGTCCTGGACCAGGGCCTGACCAGGCAGATGCGGC
TACGCGTGGAGAGCCTGAAGCAGCGCGGGGAGAAGCGCCAGGATGGGGAGAAGCTGCTGCAGCCAGCGGAGTCTGTGTA
CCGCCTCAACTTCACCCAGCAGCAGCGGCTACAGTTCGAGCGCTGGAATGTCGTGCTGGACAAGCCGGGCAAGGTCACCA
TCACAGGCACCTCGCAGAACTGGACGCCTGACCTACCAACCTCATGACACGCCAGCTGCTGGACCCCACTGCCATCTTCT
GGCGCAAGGAGGACTCGGATGCCATAGATTGGAATGAGGCCGACGCCCTGGAGTTTGGGGAGCGCCTGTCGGACCTGGC
CAAGATCCGCAAGGTCATGTACTTCCTCGTCACCTTTGGCGAGGGTGTGGAGCCCGCCAACCTCAAGGCCTCCGTGGTTTT
TAACCAGCTCTGA
```

### Transaction Sequence

```
MAEDRPQQPQ LDMPLVLDQG LTRQMRLRVE SLKQRGEKRQ DGEKLLQPAE SVYRLNFTQQ QRLQFERWNV VLDKPGKVTI
TGTSQNWTPD LTNLMTRQLL DPTAIFWRKE DSDAIDWNEA DALEFGERLS DLAKIRKVMY FLVTFGEGVE PANLKASVVF
NQL
```