

## Recombinant Human OR3A4P cell lysate

**Cat. No.** OR3A4P-1253HCL    **Lot. No.** (See product label)

### SPECIFICATION

#### Product Overview

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| <b>Species</b>        | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Description</b>    | <p>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. This olfactory receptor gene is transcribed and contains an intact ORF, but it is predicted to be a pseudogene due to a poorly conserved 7-transmembrane domain structure.</p> |
| <b>Size</b>           | 100 ul                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Storage Buffer</b> | 1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Applications</b>   | Western Blot;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

### GENE INFORMATION

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|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | OR3A4P?olfactory receptor, family 3, subfamily A, member 4 pseudogene [?Homo sapiens?(human) ]                                                                                                                          |
| <b>Official Symbol</b>     | OR3A4P                                                                                                                                                                                                                  |
| <b>Synonyms</b>            | OR3A4P; olfactory receptor, family 3, subfamily A, member 4 pseudogene; OR24; OR25; OR3A4; OR3A5P; OLFRA05; OLFRA06; OR17-13; OR17-16; OR17-24; OR17-25                                                                 |
| <b>Gene ID</b>             | 390756                                                                                                                                                                                                                  |
| <b>Chromosome Location</b> | 17p13.3                                                                                                                                                                                                                 |
| <b>Pathway</b>             | GPCR downstream signaling, organism-specific biosystem; GPCRs, Class A Rhodopsin-like, organism-specific biosystem; GPCRs, Other, organism-specific biosystem; Olfactory Signaling Pathway, organism-specific biosystem |

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